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# **nifcloud-sdk-python Documentation**

*Release 0.1.6*

**FUJITSU CLOUD TECHNOLOGIES**

**Dec 07, 2018**



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# Contents

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<b>1</b>	<b>Available Services</b>	<b>3</b>
1.1	computing . . . . .	3
1.2	nas . . . . .	409
1.3	rdb . . . . .	426
1.4	script . . . . .	487
<b>2</b>	<b>Indices and tables</b>	<b>491</b>



The NIFCLOUD SDK for Python (Developer Preview) is data-driven SDK. It works by feeding AWS-SDK-compatible model JSONs to botocore module.

Contents:



### 1.1 computing

#### Table of Contents

- *computing*
  - *Client*
  - *Waiters*

#### 1.1.1 Client

##### **class** `computing.Client`

A low-level client representing NIFCLOUD Computing:

```
client = session.create_client('computing')
```

These are the available methods:

- `allocate_address()`
- `associate_address()`
- `associate_route_table()`
- `associate_users()`
- `attach_network_interface()`
- `attach_volume()`
- `authorize_security_group_ingress()`
- `can_paginate()`

- `cancel_copy_instances()`
- `cancel_upload()`
- `clear_load_balancer_session()`
- `configure_health_check()`
- `copy_instances()`
- `create_customer_gateway()`
- `create_dhcp_options()`
- `create_image()`
- `create_key_pair()`
- `create_load_balancer()`
- `create_network_interface()`
- `create_route()`
- `create_route_table()`
- `create_security_group()`
- `create_ssl_certificate()`
- `create_volume()`
- `create_vpn_connection()`
- `create_vpn_gateway()`
- `delete_customer_gateway()`
- `delete_dhcp_options()`
- `delete_image()`
- `delete_key_pair()`
- `delete_load_balancer()`
- `delete_network_interface()`
- `delete_route()`
- `delete_route_table()`
- `delete_security_group()`
- `delete_ssl_certificate()`
- `delete_volume()`
- `delete_vpn_connection()`
- `delete_vpn_gateway()`
- `deregister_instances_from_load_balancer()`
- `deregister_instances_from_security_group()`
- `describe_addresses()`
- `describe_associated_users()`
- `describe_availability_zones()`



- `describe_customer_gateways()`
- `describe_dhcp_options()`
- `describe_images()`
- `describe_instance_attribute()`
- `describe_instance_health()`
- `describe_instances()`
- `describe_key_pairs()`
- `describe_load_balancers()`
- `describe_network_interfaces()`
- `describe_regions()`
- `describe_resources()`
- `describe_route_tables()`
- `describe_security_activities()`
- `describe_security_group_option()`
- `describe_security_groups()`
- `describe_service_status()`
- `describe_ssl_certificate_attribute()`
- `describe_ssl_certificates()`
- `describe_uploads()`
- `describe_usage()`
- `describe_user_activities()`
- `describe_volumes()`
- `describe_vpn_connections()`
- `describe_vpn_gateways()`
- `detach_network_interface()`
- `detach_volume()`
- `disassociate_address()`
- `disassociate_route_table()`
- `dissociate_users()`
- `download_ssl_certificate()`
- `generate_presigned_url()`
- `get_paginator()`
- `get_waiter()`
- `import_instance()`
- `import_key_pair()`
- `modify_image_attribute()`

- `modify_instance_attribute()`
- `modify_network_interface_attribute()`
- `modify_ssl_certificate_attribute()`
- `modify_volume_attribute()`
- `nifty_associate_image()`
- `nifty_associate_nat_table()`
- `nifty_associate_route_table_with_vpn_gateway()`
- `nifty_configure_elastic_load_balancer_health_check()`
- `nifty_create_alarm()`
- `nifty_create_auto_scaling_group()`
- `nifty_create_dhcp_config()`
- `nifty_create_dhcp_ip_address_pool()`
- `nifty_create_dhcp_static_mapping()`
- `nifty_create_elastic_load_balancer()`
- `nifty_create_instance_snapshot()`
- `nifty_create_nat_rule()`
- `nifty_create_nat_table()`
- `nifty_create_private_lan()`
- `nifty_create_router()`
- `nifty_create_separate_instance_rule()`
- `nifty_create_web_proxy()`
- `nifty_delete_alarm()`
- `nifty_delete_auto_scaling_group()`
- `nifty_delete_dhcp_config()`
- `nifty_delete_dhcp_ip_address_pool()`
- `nifty_delete_dhcp_static_mapping()`
- `nifty_delete_elastic_load_balancer()`
- `nifty_delete_instance_snapshot()`
- `nifty_delete_nat_rule()`
- `nifty_delete_nat_table()`
- `nifty_delete_private_lan()`
- `nifty_delete_router()`
- `nifty_delete_separate_instance_rule()`
- `nifty_delete_web_proxy()`
- `nifty_deregister_instances_from_elastic_load_balancer()`
- `nifty_deregister_instances_from_separate_instance_rule()`

- `nifty_deregister_routers_from_security_group()`
- `nifty_deregister_vpn_gateways_from_security_group()`
- `nifty_describe_alarm_history()`
- `nifty_describe_alarm_rules_activities()`
- `nifty_describe_alarms()`
- `nifty_describe_alarms_partitions()`
- `nifty_describe_auto_scaling_groups()`
- `nifty_describe_corporate_info_for_certificate()`
- `nifty_describe_dhcp_configs()`
- `nifty_describe_dhcp_status()`
- `nifty_describe_elastic_load_balancers()`
- `nifty_describe_instance_elastic_load_balancer_health()`
- `nifty_describe_instance_snapshots()`
- `nifty_describe_nat_tables()`
- `nifty_describe_performance_chart()`
- `nifty_describe_private_lans()`
- `nifty_describe_routers()`
- `nifty_describe_scaling_activities()`
- `nifty_describe_separate_instance_rules()`
- `nifty_describe_vpn_gateway_activities()`
- `nifty_describe_web_proxies()`
- `nifty_disable_dhcp()`
- `nifty_disassociate_nat_table()`
- `nifty_disassociate_route_table_from_vpn_gateway()`
- `nifty_enable_dhcp()`
- `nifty_modify_address_attribute()`
- `nifty_modify_customer_gateway_attribute()`
- `nifty_modify_elastic_load_balancer_attributes()`
- `nifty_modify_instance_snapshot_attribute()`
- `nifty_modify_key_pair_attribute()`
- `nifty_modify_private_lan_attribute()`
- `nifty_modify_router_attribute()`
- `nifty_modify_vpn_gateway_attribute()`
- `nifty_modify_web_proxy_attribute()`
- `nifty_reboot_routers()`
- `nifty_reboot_vpn_gateways()`

- `nifty_register_instances_with_elastic_load_balancer()`
- `nifty_register_instances_with_separate_instance_rule()`
- `nifty_register_port_with_elastic_load_balancer()`
- `nifty_register_routers_with_security_group()`
- `nifty_register_vpn_gateways_with_security_group()`
- `nifty_release_router_backup_state()`
- `nifty_release_vpn_gateway_backup_state()`
- `nifty_replace_dhcp_config()`
- `nifty_replace_dhcp_option()`
- `nifty_replace_elastic_load_balancer_latest_version()`
- `nifty_replace_nat_rule()`
- `nifty_replace_nat_table_association()`
- `nifty_replace_route_table_association_with_vpn_gateway()`
- `nifty_replace_router_latest_version()`
- `nifty_replace_vpn_gateway_latest_version()`
- `nifty_restore_instance_snapshot()`
- `nifty_restore_router_previous_version()`
- `nifty_restore_vpn_gateway_previous_version()`
- `nifty_retry_import_instance()`
- `nifty_update_alarm()`
- `nifty_update_auto_scaling_group()`
- `nifty_update_elastic_load_balancer()`
- `nifty_update_instance_network_interfaces()`
- `nifty_update_router_network_interfaces()`
- `nifty_update_separate_instance_rule()`
- `nifty_update_vpn_gateway_network_interfaces()`
- `reboot_instances()`
- `register_corporate_info_for_certificate()`
- `register_instances_with_load_balancer()`
- `register_instances_with_security_group()`
- `register_port_with_load_balancer()`
- `release_address()`
- `replace_route()`
- `replace_route_table_association()`
- `revoke_security_group_ingress()`
- `run_instances()`

- `set_filter_for_load_balancer()`
- `start_instances()`
- `stop_instances()`
- `terminate_instances()`
- `update_load_balancer()`
- `update_load_balancer_option()`
- `update_security_group()`
- `update_security_group_option()`
- `upload_ssl_certificate()`

### `allocate_address(**kwargs)`

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.allocate_address(
    InstanceId='string',
    NiftyPrivateIp=True|False,
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

#### Parameters

- **InstanceId** (*string*) –
- **NiftyPrivateIp** (*boolean*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –

**Return type** dict

#### Returns

##### Response Syntax

```
{
    'AllocationId': 'string',
    'Domain': 'string',
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'PrivateIpAddress': 'string',
    'PublicIp': 'string',
    'RequestId': 'string'
}
```

##### Response Structure

- (*dict*) –

- **AllocationId** (*string*) -
- **Domain** (*string*) -
- **Placement** (*dict*) -
  - \* **AvailabilityZone** (*string*) -
  - \* **RegionName** (*string*) -
- **PrivateIpAddress** (*string*) -
- **PublicIp** (*string*) -
- **RequestId** (*string*) -

**associate\_address** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.associate_address(  
    InstanceId='string',  
    NiftyReboot='string',  
    PrivateIpAddress='string',  
    PublicIp='string'  
)
```

#### Parameters

- **InstanceId** (*string*) -
- **NiftyReboot** (*string*) -
- **PrivateIpAddress** (*string*) -
- **PublicIp** (*string*) -

**Return type** dict

#### Returns

##### Response Syntax

```
{  
    'AssociationId': 'string',  
    'RequestId': 'string',  
    'Return': True|False  
}
```

##### Response Structure

- (*dict*) -
  - **AssociationId** (*string*) -
  - **RequestId** (*string*) -
  - **Return** (*boolean*) -

**associate\_route\_table** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```

response = client.associate_route_table(
    Agreement=True|False,
    RouteTableId='string',
    RouterId='string',
    RouterName='string'
)

```

### Parameters

- **Agreement** (*boolean*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict

### Returns

#### Response Syntax

```

{
    'AssociationId': 'string',
    'RequestId': 'string'
}

```

#### Response Structure

- (*dict*) –
  - **AssociationId** (*string*) –
  - **RequestId** (*string*) –

### **associate\_users** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```

response = client.associate_users(
    FunctionName='string',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)

```

### Parameters

- **FunctionName** (*string*) –
- **Users** (*list*) –
  - (*dict*) –
    - \* **UserId** (*string*) –

**Return type** dict

## Returns

### Response Syntax

```
{
  'AssociateUsersResult': {'... recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  },
  'Users': [
    {
      'UserId': 'string'
    },
  ]
}
```

### Response Structure

- (*dict*) –
  - **AssociateUsersResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –
  - **Users** (*list*) –
    - \* (*dict*) –
      - **UserId** (*string*) –

**attach\_network\_interface** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.attach_network_interface(
    InstanceId='string',
    InstanceUniqueId='string',
    NetworkInterfaceId='string',
    NiftyReboot='string'
)
```

### Parameters

- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NiftyReboot** (*string*) –

**Return type** dict

### Returns

#### Response Syntax

```
{
  'AttachmentId': 'string',
  'RequestId': 'string',

```

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```
'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **AttachmentId** (*string*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**attach\_volume** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.attach_volume(
    InstanceId='string',
    VolumeId='string'
)
```

**Parameters**

- **InstanceId** (*string*) –
- **VolumeId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'AttachTime': datetime(2015, 1, 1),
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **AttachTime** (*datetime*) –
  - **Device** (*string*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
  - **RequestId** (*string*) –
  - **Status** (*string*) –
  - **VolumeId** (*string*) –

**authorize\_security\_group\_ingress** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.authorize_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'Description': 'string',
            'FromPort': 123,
            'InOut': 'string',
            'IpProtocol': 'string',
            'RequestGroups': [
                {
                    'GroupName': 'string'
                },
            ],
            'RequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ]
)
```

### Parameters

- **GroupName** (*string*) –
- **IpPermissions** (*list*) –
  - (*dict*) –
    - \* **Description** (*string*) –
    - \* **FromPort** (*integer*) –
    - \* **InOut** (*string*) –
    - \* **IpProtocol** (*string*) –
    - \* **RequestGroups** (*list*) –
      - (*dict*) –
      - **GroupName** (*string*) –
    - \* **RequestIpRanges** (*list*) –
      - (*dict*) –
      - **CidrIp** (*string*) –
    - \* **ToPort** (*integer*) –

**Return type** dict

### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**can\_paginate** (*operation\_name*)

Check if an operation can be paginated.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Returns** True if the operation can be paginated, False otherwise.

**cancel\_copy\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.cancel_copy_instances(
    InstanceId='string'
)
```

**Parameters** **InstanceId** (*string*) –

**Return type** dict

**Returns**

**Response Syntax**

```
{
    'RequestId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –

**cancel\_upload** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.cancel_upload(
    ConversionTaskId='string'
)
```

**Parameters** **ConversionTaskId** (*string*) –

**Return type** dict

**Returns**

**Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**clear\_load\_balancer\_session** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.clear_load_balancer_session(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

### Parameters

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict

### Returns

### Response Syntax

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**configure\_health\_check** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.configure_health_check(
    HealthCheck={
        'Interval': 123,
        'Target': 'string',
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
```

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```

LoadBalancerName='string',
LoadBalancerPort=123
)

```

**Parameters**

- **HealthCheck** (*dict*) –
  - **Interval** (*integer*) –
  - **Target** (*string*) –
  - **UnhealthyThreshold** (*integer*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'ConfigureHealthCheckResult': {'... recursive ...'},
  'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
      {
        'Description': 'string',
        'InstanceId': 'string',
        'InstanceUniqueId': 'string',
        'ReasonCode': 'string',
        'State': 'string'
      },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
  },
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}

```

**Response Structure**

- (*dict*) –
  - **ConfigureHealthCheckResult** (*dict*) –
  - **HealthCheck** (*dict*) –
    - \* **HealthyThreshold** (*integer*) –
    - \* **InstanceStates** (*list*) –
      - (*dict*) –
      - **Description** (*string*) –

- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **ReasonCode** (*string*) –
- **State** (*string*) –
- \* **Interval** (*integer*) –
- \* **Target** (*string*) –
- \* **Timeout** (*integer*) –
- \* **UnhealthyThreshold** (*integer*) –
- **ResponseMetadata** (*dict*) –
- \* **RequestId** (*string*) –

**copy\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.copy_instances(
    CopyCount=123,
    CopyInstance={
        'AccountingType': 'string',
        'InstanceName': 'string',
        'InstanceType': 'string',
        'IpType': 'string',
        'RequestLoadBalancers': [
            {
                'InstancePort': 123,
                'LoadBalancerName': 'string',
                'LoadBalancerPort': 123,
                'Name': 'string'
            },
        ],
        'RequestPlacementStruct': {
            'AvailabilityZone': 'string',
            'RegionName': 'string'
        },
        'RequestSecurityGroup': [
            'string',
        ]
    },
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        }
    ]
)
```

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```

    },
  ]
)

```

**Parameters**

- **CopyCount** (*integer*) –
- **CopyInstance** (*dict*) –
  - **AccountingType** (*string*) –
  - **InstanceName** (*string*) –
  - **InstanceType** (*string*) –
  - **IpType** (*string*) –
  - **RequestLoadBalancers** (*list*) –
    - \* (*dict*) –
      - **InstancePort** (*integer*) –
      - **LoadBalancerName** (*string*) –
      - **LoadBalancerPort** (*integer*) –
      - **Name** (*string*) –
  - **RequestPlacementStruct** (*dict*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **RegionName** (*string*) –
  - **RequestSecurityGroup** (*list*) –
    - \* (*string*) –
- **InstanceId** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'CopyInstanceSet': [
    {
      'InstanceId': 'string',
      'InstanceState': 'string',
      'InstanceUniqueId': 'string'
    },
  ],
  'RequestId': 'string'
}
```

### Response Structure

- (*dict*) –
  - **CopyInstanceSet** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceState** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **RequestId** (*string*) –

**create\_customer\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_customer_gateway(
    IPAddress='string',
    NiftyCustomerGatewayDescription='string',
    NiftyCustomerGatewayName='string',
    NiftyLanSideCidrBlock='string',
    NiftyLanSideIpAddress='string'
)
```

### Parameters

- **IpAddress** (*string*) –
- **NiftyCustomerGatewayDescription** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyLanSideCidrBlock** (*string*) –
- **NiftyLanSideIpAddress** (*string*) –

Return type `dict`

### Returns

#### Response Syntax

```
{
  'CustomerGateway': {
    'BgpAsn': 'string',
    'CustomerGatewayId': 'string',
    'IpAddress': 'string',
    'NiftyCustomerGatewayDescription': 'string',
    'NiftyCustomerGatewayName': 'string',
    'NiftyLanSideCidrBlock': 'string',
    'NiftyLanSideIpAddress': 'string',
    'State': 'string',
  }
}
```

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```

    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'Type': 'string'
},
'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **CustomerGateway** (*dict*) –
    - \* **BgpAsn** (*string*) –
    - \* **CustomerGatewayId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **NiftyCustomerGatewayDescription** (*string*) –
    - \* **NiftyCustomerGatewayName** (*string*) –
    - \* **NiftyLanSideCidrBlock** (*string*) –
    - \* **NiftyLanSideIpAddress** (*string*) –
    - \* **State** (*string*) –
    - \* **TagSet** (*list*) –
      - *(dict)* –
      - **Key** (*string*) –
      - **Value** (*string*) –
    - \* **Type** (*string*) –
  - **RequestId** (*string*) –

**create\_dhcp\_options** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.create_dhcp_options(
    DhcpConfiguration=[
        {
            'Key': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)

```

**Parameters DhcpConfiguration** (*list*) –

- *(dict)* –
  - **Key** (*string*) –

- **RequestValue** (*list*) –

- \* (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DhcpOptions': {
    'DhcpConfigurationSetType': [
      {
        'Key': 'string',
        'ValueSet': [
          {
            'Value': 'string'
          }
        ]
      }
    ],
    'DhcpOptionsId': 'string'
  },
  'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **DhcpOptions** (*dict*) –
    - \* **DhcpConfigurationSetType** (*list*) –
      - (*dict*) –
      - **Key** (*string*) –
      - **ValueSet** (*list*) –
        - (*dict*) –
        - **Value** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
  - **RequestId** (*string*) –

**create\_image** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_image(
    Description='string',
    InstanceId='string',
    LeftInstance=True|False,
    Name='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

#### Parameters

- **Description** (*string*) –

- **InstanceId** (*string*) –
- **LeftInstance** (*boolean*) –
- **Name** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'ImageId': 'string',
    'ImageState': 'string',
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **ImageId** (*string*) –
  - **ImageState** (*string*) –
  - **RequestId** (*string*) –

**create\_key\_pair** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_key_pair(
    Description='string',
    KeyName='string',
    Password='string'
)
```

#### Parameters

- **Description** (*string*) –
- **KeyName** (*string*) –
- **Password** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'KeyFingerprint': 'string',
    'KeyMaterial': 'string',
    'KeyName': 'string',
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **KeyFingerprint** (*string*) –
  - **KeyMaterial** (*string*) –
  - **KeyName** (*string*) –
  - **RequestId** (*string*) –

**create\_load\_balancer** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

## Request Syntax

```

response = client.create_load_balancer(
    AccountingType='string',
    AvailabilityZones=[
        'string',
    ],
    IpVersion='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'RequestSessionStruct': {
                'RequestStickinessPolicyStruct': {
                    'Enable': True|False,
                    'ExpirationPeriod': 123,
                    'Method': 'string'
                }
            },
            'RequestSorryPageStruct': {
                'Enable': True|False,
                'RedirectUrl': 'string'
            },
            'SSLCertificateId': 'string'
        },
    ],
    LoadBalancerName='string',
    NetworkVolume=123
)

```

### Parameters

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) –
  - (*string*) –
- **IpVersion** (*string*) –
- **Listeners** (*list*) –
  - (*dict*) –
    - \* **BalancingType** (*string*) –
    - \* **Description** (*string*) –
    - \* **ElasticLoadBalancerPort** (*integer*) –
    - \* **InstancePort** (*integer*) –
    - \* **LoadBalancerPort** (*integer*) –
    - \* **Protocol** (*string*) –

- \* **RequestHealthCheckStruct** (*dict*) –
  - **Interval** (*integer*) –
  - **Target** (*string*) –
  - **UnhealthyThreshold** (*integer*) –
- \* **RequestInstances** (*list*) –
  - (*dict*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
- \* **RequestSessionStruct** (*dict*) –
  - **RequestStickinessPolicyStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **ExpirationPeriod** (*integer*) –
  - **Method** (*string*) –
- \* **RequestSorryPageStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **RedirectUrl** (*string*) –
- \* **SSLCertificateId** (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolume** (*integer*) –

Return type `dict`

Returns

#### Response Syntax

```
{
  'CreateLoadBalancerResult': {'... recursive ...'},
  'DNSName': 'string',
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

#### Response Structure

- (*dict*) –
  - **CreateLoadBalancerResult** (*dict*) –
  - **DNSName** (*string*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**create\_network\_interface** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_network_interface(
    Description='string',
    IpAddress='string',
    NiftyNetworkId='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

#### Parameters

- **Description** (*string*) –
- **IpAddress** (*string*) –

- **NiftyNetworkId** (*string*)–
- **Placement** (*dict*)–
  - **AvailabilityZone** (*string*)–
  - **RegionName** (*string*)–

**Return type** dict

**Returns**

### Response Syntax

```
{
  'NetworkInterface': {
    'Association': {
      'AllocationId': 'string',
      'AssociationId': 'string',
      'IpOwnerId': 'string',
      'PublicDnsName': 'string',
      'PublicIp': 'string',
      'PublicIpV6': 'string'
    },
    'Attachment': {
      'AttachTime': datetime(2015, 1, 1),
      'AttachmentID': 'string',
      'AttachmentId': 'string',
      'DeleteOnTermination': True|False,
      'DeviceIndex': 123,
      'InstanceId': 'string',
      'InstanceOwnerId': 'string',
      'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'Description': 'string',
    'GroupSet': [
      {
        'GroupId': 'string'
      },
    ],
    'InterfaceType': 'string',
    'Ipv6AddressesSet': [
      {
        'Ipv6Address': 'string'
      },
    ],
    'MacAddress': 'string',
    'NetworkInterfaceId': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressesSet': [
      {
        'Association': {
          'AllocationId': 'string',
          'AssociationId': 'string',
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        }
      }
    ]
  }
}
```

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```

        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
'RequestId': 'string',
'Return': True|False
}

```

**Response Structure**

- *(dict)* –
  - **NetworkInterface** *(dict)* –
    - \* **Association** *(dict)* –
      - **AllocationId** *(string)* –
      - **AssociationId** *(string)* –
      - **IpOwnerId** *(string)* –
      - **PublicDnsName** *(string)* –
      - **PublicIp** *(string)* –
      - **PublicIpV6** *(string)* –
    - \* **Attachment** *(dict)* –
      - **AttachTime** *(datetime)* –
      - **AttachmentID** *(string)* –
      - **AttachmentId** *(string)* –
      - **DeleteOnTermination** *(boolean)* –
      - **DeviceIndex** *(integer)* –
      - **InstanceId** *(string)* –
      - **InstanceOwnerId** *(string)* –
      - **Status** *(string)* –
    - \* **AvailabilityZone** *(string)* –
    - \* **Description** *(string)* –
    - \* **GroupSet** *(list)* –
      - *(dict)* –
      - **GroupId** *(string)* –
    - \* **InterfaceType** *(string)* –
    - \* **Ipv6AddressesSet** *(list)* –
      - *(dict)* –
      - **Ipv6Address** *(string)* –
    - \* **MacAddress** *(string)* –
    - \* **NetworkInterfaceId** *(string)* –
    - \* **NiftyNetworkId** *(string)* –

- \* **NiftyNetworkName** (*string*) –
- \* **OwnerId** (*string*) –
- \* **PrivateDnsName** (*string*) –
- \* **PrivateIpAddress** (*string*) –
- \* **PrivateIpAddressesSet** (*list*) –
  - (*dict*) –
  - **Association** (*dict*) –
  - **AllocationId** (*string*) –
  - **AssociationId** (*string*) –
  - **IpOwnerId** (*string*) –
  - **PublicDnsName** (*string*) –
  - **PublicIp** (*string*) –
  - **PublicIpV6** (*string*) –
  - **Primary** (*boolean*) –
  - **PrivateDnsName** (*string*) –
  - **PrivateIpAddress** (*string*) –
- \* **RequesterId** (*string*) –
- \* **RequesterManaged** (*string*) –
- \* **SourceDestCheck** (*string*) –
- \* **Status** (*string*) –
- \* **SubnetId** (*string*) –
- \* **TagSet** (*list*) –
  - (*dict*) –
  - **Key** (*string*) –
  - **Value** (*string*) –
- \* **VpcId** (*string*) –
- **RequestId** (*string*) –
- **Return** (*boolean*) –

`create_route` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_route(  
    DestinationCidrBlock='string',  
    IpAddress='string',  
    NetworkId='string',  
    NetworkName='string',  
    RouteTableId='string'  
)
```

### Parameters

- **DestinationCidrBlock** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) –

Return type dict

### Returns

### Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False
```

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}

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**create\_route\_table()**See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_route_table()
```

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'RouteTable': {
    'RouteTableId': 'string',
    'TagSet': [
      {
        'Key': 'string',
        'Value': 'string'
      },
    ]
  }
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **RouteTable** (*dict*) –
    - \* **RouteTableId** (*string*) –
    - \* **TagSet** (*list*) –
      - (*dict*) –
      - **Key** (*string*) –
      - **Value** (*string*) –

**create\_security\_group(\*\*kwargs)**See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_security_group(
    GroupDescription='string',
    GroupName='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

**Parameters**

- **GroupDescription** (*string*) –

- **GroupName** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –

Return type `dict`

Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**create\_ssl\_certificate** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_ssl_certificate(
    ApproverEmailAddress='string',
    CertAuthority=123,
    CertInfo={
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
    },
    Count=123,
    Fqdn='string',
    FqdnId='string',
    KeyLength=123,
    ValidityTerm=123
)
```

#### Parameters

- **ApproverEmailAddress** (*string*) –
- **CertAuthority** (*integer*) –
- **CertInfo** (*dict*) –
  - **LocationName** (*string*) –
  - **OrganizationName** (*string*) –
  - **OrganizationUnitName** (*string*) –
  - **StateName** (*string*) –
- **Count** (*integer*) –
- **Fqdn** (*string*) –
- **FqdnId** (*string*) –
- **KeyLength** (*integer*) –
- **ValidityTerm** (*integer*) –

Return type `dict`

Returns

#### Response Syntax

```
{
  'ApproverEmailAddress': 123,
  'CertAuthority': 'string',
  'CertState': 'string',
  'Fqdn': 'string',
  'FqdnId': 'string',
  'RequestId': 'string',
  'ValidityTerm': 123
}
```

### Response Structure

- (*dict*) –
  - **ApproverEmailAddress** (*integer*) –
  - **CertAuthority** (*string*) –
  - **CertState** (*string*) –
  - **Fqdn** (*string*) –
  - **FqdnId** (*string*) –
  - **RequestId** (*string*) –
  - **ValidityTerm** (*integer*) –

`create_volume` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_volume(
    AccountingType='string',
    Description='string',
    DiskType='string',
    InstanceId='string',
    Size=123,
    VolumeId='string'
)
```

### Parameters

- **AccountingType** (*string*) –
- **Description** (*string*) –
- **DiskType** (*string*) –
- **InstanceId** (*string*) –
- **Size** (*integer*) –
- **VolumeId** (*string*) –

**Return type** dict

### Returns

#### Response Syntax

```
{
  'AccountingType': 'string',
  'AvailabilityZone': 'string',
  'CreateTime': datetime(2015, 1, 1),
  'DiskType': 'string',
  'RequestId': 'string',
  'Size': 'string',
  'SnapshotId': 'string',
  'Status': 'string',
  'VolumeId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **AccountingType** (*string*) –
  - **AvailabilityZone** (*string*) –
  - **CreateTime** (*datetime*) –
  - **DiskType** (*string*) –
  - **RequestId** (*string*) –
  - **Size** (*string*) –
  - **SnapshotId** (*string*) –
  - **Status** (*string*) –
  - **VolumeId** (*string*) –

**create\_vpn\_connection** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_vpn_connection(
    Agreement=True|False,
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string',
    NiftyIPsecConfiguration={
        'EncryptionAlgorithm': 'string',
        'HashAlgorithm': 'string',
        'PreSharedKey': 'string'
    },
    NiftyIpsecConfiguration={
        'InternetKeyExchange': 'string'
    },
    NiftyTunnel={
        'DestinationPort': 'string',
        'Encapsulation': 'string',
        'Mode': 'string',
        'PeerSessionId': 'string',
        'PeerTunnelId': 'string',
        'SessionId': 'string',
        'SourcePort': 'string',
        'TunnelId': 'string',
        'Type': 'string'
    },
    NiftyVpnConnectionDescription='string',
    NiftyVpnConnectionMtu='string',
    NiftyVpnGatewayName='string',
    Type='string',
    VpnGatewayId='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyIPsecConfiguration** (*dict*) –
  - **EncryptionAlgorithm** (*string*) –
  - **HashAlgorithm** (*string*) –
  - **PreSharedKey** (*string*) –
- **NiftyIpsecConfiguration** (*dict*) –
  - **InternetKeyExchange** (*string*) –
- **NiftyTunnel** (*dict*) –

- **DestinationPort** (*string*) -
- **Encapsulation** (*string*) -
- **Mode** (*string*) -
- **PeerSessionId** (*string*) -
- **PeerTunnelId** (*string*) -
- **SessionId** (*string*) -
- **SourcePort** (*string*) -
- **TunnelId** (*string*) -
- **Type** (*string*) -
- **NiftyVpnConnectionDescription** (*string*) -
- **NiftyVpnConnectionMtu** (*string*) -
- **NiftyVpnGatewayName** (*string*) -
- **Type** (*string*) -
- **VpnGatewayId** (*string*) -

**Return type** dict

**Returns**

### Response Syntax

```
{
  'RequestId': 'string',
  'VpnConnection': {
    'CreatedTime': datetime(2015, 1, 1),
    'CustomerGatewayConfiguration': 'string',
    'CustomerGatewayId': 'string',
    'NiftyCustomerGatewayName': 'string',
    'NiftyIpsecConfiguration': {
      'EncryptionAlgorithm': 'string',
      'HashingAlgorithm': 'string',
      'InternetKeyExchange': 'string',
      'Mtu': 'string',
      'PreSharedKey': 'string'
    },
    'NiftyTunnel': {
      'DestinationPort': 'string',
      'Encapsulation': 'string',
      'Mode': 'string',
      'PeerSessionId': 'string',
      'PeerTunnelId': 'string',
      'SessionId': 'string',
      'SourcePort': 'string',
      'TunnelId': 'string',
      'Type': 'string'
    },
    'NiftyVpnConnectionDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'Options': {
      'StaticRoutesOnly': True|False
    },
    'Routes': {
      'DestinationCidrBlock': 'string',
      'Source': 'string',
      'State': 'string'
    },
    'State': 'string',
    'TagSet': [
      {
```

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```

        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VgwTelemetry': [
    {
        'AcceptedRouteCount': 123,
        'LastStatusChange': datetime(2015, 1, 1),
        'OutsideIpAddress': 'string',
        'Status': 'string',
        'StatusMessage': 'string'
    },
],
'VpnConnectionId': 'string',
'VpnGatewayId': 'string'
}
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **VpnConnection** (dict) –
    - \* **CreatedTime** (datetime) –
    - \* **CustomerGatewayConfiguration** (string) –
    - \* **CustomerGatewayId** (string) –
    - \* **NiftyCustomerGatewayName** (string) –
    - \* **NiftyIpsecConfiguration** (dict) –
      - **EncryptionAlgorithm** (string) –
      - **HashingAlgorithm** (string) –
      - **InternetKeyExchange** (string) –
      - **Mtu** (string) –
      - **PreSharedKey** (string) –
    - \* **NiftyTunnel** (dict) –
      - **DestinationPort** (string) –
      - **Encapsulation** (string) –
      - **Mode** (string) –
      - **PeerSessionId** (string) –
      - **PeerTunnelId** (string) –
      - **SessionId** (string) –
      - **SourcePort** (string) –
      - **TunnelId** (string) –
      - **Type** (string) –
    - \* **NiftyVpnConnectionDescription** (string) –
    - \* **NiftyVpnGatewayName** (string) –
    - \* **Options** (dict) –
      - **StaticRoutesOnly** (boolean) –
    - \* **Routes** (dict) –
      - **DestinationCidrBlock** (string) –
      - **Source** (string) –
      - **State** (string) –
    - \* **State** (string) –
    - \* **TagSet** (list) –
      - (dict) –

- **Key** (*string*) –
- **Value** (*string*) –
- \* **Type** (*string*) –
- \* **VgwTelemetry** (*list*) –
  - (*dict*) –
  - **AcceptedRouteCount** (*integer*) –
  - **LastStatusChange** (*datetime*) –
  - **OutsideIpAddress** (*string*) –
  - **Status** (*string*) –
  - **StatusMessage** (*string*) –
- \* **VpnConnectionId** (*string*) –
- \* **VpnGatewayId** (*string*) –

**create\_vpn\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_vpn_gateway(
    AccountingType='string',
    NiftyNetwork={
        'IpAddress': 'string',
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NiftyRedundancy=True|False,
    NiftyVpnGatewayDescription='string',
    NiftyVpnGatewayName='string',
    NiftyVpnGatewayType='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    SecurityGroup=[
        'string',
    ]
)
```

### Parameters

- **AccountingType** (*string*) –
- **NiftyNetwork** (*dict*) –
  - **IpAddress** (*string*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
- **SecurityGroup** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```

{
  'RequestId': 'string',
  'VpnGateway': {
    'AccountingType': 'string',
    'Attachments': [
      {
        'State': 'string',
        'VpcId': 'string'
      },
    ],
    'AvailabilityZone': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'GroupSet': [
      {
        'GroupId': 'string'
      },
    ],
  ],
  'NetworkInterfaceSet': [
    {
      'Association': {
        'AllocationId': 'string',
        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
      },
      'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
      },
      'AvailabilityZone': 'string',
      'CidrBlock': 'string',
      'Descriprion': 'string',
      'Description': 'string',
      'DeviceIndex': 123,
      'Dhcp': True|False,
      'DhcpOptionsId': 'string',
      'GroupSet': [
        {
          'GroupId': 'string'
        },
      ],
      'InterfaceType': 'string',
      'IpAddress': 'string',
      'Ipv6AddressesSet': [
        {
          'Ipv6Address': 'string'
        },
      ],
      'MacAddress': 'string',

```

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```

        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
],
'Type': 'string',
'VpnGatewayId': 'string'
}
}

```

**Response Structure**

- (*dict*)–

- **RequestId** (*string*) –
- **VpnGateway** (*dict*) –
  - \* **AccountingType** (*string*) –
  - \* **Attachments** (*list*) –
    - (*dict*) –
    - **State** (*string*) –
    - **VpcId** (*string*) –
  - \* **AvailabilityZone** (*string*) –
  - \* **CreatedTime** (*datetime*) –
  - \* **GroupSet** (*list*) –
    - (*dict*) –
    - **GroupId** (*string*) –
  - \* **NetworkInterfaceSet** (*list*) –
    - (*dict*) –
    - **Association** (*dict*) –
    - **AllocationId** (*string*) –
    - **AssociationId** (*string*) –
    - **IpOwnerId** (*string*) –
    - **PublicDnsName** (*string*) –
    - **PublicIp** (*string*) –
    - **PublicIpV6** (*string*) –
    - **Attachment** (*dict*) –
    - **AttachTime** (*datetime*) –
    - **AttachmentID** (*string*) –
    - **AttachmentId** (*string*) –
    - **DeleteOnTermination** (*boolean*) –
    - **DeviceIndex** (*integer*) –
    - **InstanceId** (*string*) –
    - **InstanceOwnerId** (*string*) –
    - **Status** (*string*) –
    - **AvailabilityZone** (*string*) –
    - **CidrBlock** (*string*) –
    - **Descripriion** (*string*) –
    - **Description** (*string*) –
    - **DeviceIndex** (*integer*) –
    - **Dhcp** (*boolean*) –
    - **DhcpOptionsId** (*string*) –
    - **GroupSet** (*list*) –
      - (*dict*) –
      - **GroupId** (*string*) –
      - **InterfaceType** (*string*) –
      - **IpAddress** (*string*) –
      - **Ipv6AddressesSet** (*list*) –
        - (*dict*) –
        - **Ipv6Address** (*string*) –
        - **MacAddress** (*string*) –
        - **NetworkId** (*string*) –
        - **NetworkInterfaceId** (*string*) –
        - **NetworkName** (*string*) –
        - **NiftyNetworkId** (*string*) –
        - **NiftyNetworkName** (*string*) –
        - **OwnerId** (*string*) –
        - **PrivateDnsName** (*string*) –
        - **PrivateIpAddress** (*string*) –

- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- \* **NextMonthAccountingType** (*string*) –
- \* **NiftyRedundancy** (*boolean*) –
- \* **NiftyVpnGatewayDescription** (*string*) –
- \* **NiftyVpnGatewayName** (*string*) –
- \* **NiftyVpnGatewayType** (*string*) –
- \* **State** (*string*) –
- \* **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- \* **Type** (*string*) –
- \* **VpnGatewayId** (*string*) –

`delete_customer_gateway` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_customer_gateway(
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string'
)
```

#### Parameters

- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –

Return type dict

#### Returns

##### Response Syntax

```
{
    'RequestId': 'string',
```

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```

    'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_dhcp\_options** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_dhcp_options(
    DhcpOptionsId='string'
)

```

**Parameters** **DhcpOptionsId** (*string*) –**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_image** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_image(
    ImageId='string'
)

```

**Parameters** **ImageId** (*string*) –**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –

**delete\_key\_pair** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.delete_key_pair(
    KeyName='string'
)
```

**Parameters** **KeyName** (*string*) –**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_load\_balancer** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.delete_load_balancer(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

**Parameters**

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

**Response Structure**

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**delete\_network\_interface** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.delete_network_interface(  
    NetworkInterfaceId='string'  
)
```

**Parameters** `NetworkInterfaceId` (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_route** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_route(  
    DestinationCidrBlock='string',  
    RouteTableId='string'  
)
```

**Parameters**

- **DestinationCidrBlock** (*string*) –
- **RouteTableId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_route\_table** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_route_table(  
    RouteTableId='string'  
)
```

**Parameters** `RouteTableId` (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.delete_security_group(
    GroupName='string'
)
```

**Parameters** **GroupName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_ssl\_certificate** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.delete_ssl_certificate(
    FqdnId='string'
)
```

**Parameters** **FqdnId** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_volume** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_volume(  
    VolumeId='string'  
)
```

**Parameters** **VolumeId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_vpn\_connection** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_vpn_connection(  
    Agreement=True|False,  
    VpnConnectionId='string'  
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **VpnConnectionId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**delete\_vpn\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)



### Request Syntax

```
response = client.delete_vpn_gateway(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

#### Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**deregister\_instances\_from\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.deregister_instances_from_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

#### Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
    'DeregisterInstancesFromLoadBalancerResult': {'...'},
    ↪recursive ...',
}
```

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```

'Instances': [
    {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
    },
],
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

**Response Structure**

- *(dict)* –
  - **DeregisterInstancesFromLoadBalancerResult** (*dict*) –
  - **Instances** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**deregister\_instances\_from\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.deregister_instances_from_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)

```

**Parameters**

- **GroupName** (*string*) –
- **InstanceId** (*list*) –
  - (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'InstancesSet': [
        {
            'AccountingType': 'string',
            'Admin': 'string',
            'AmiLaunchIndex': 'string',
            'Architecture': 'string',
            'Autoscaling': {
                'AutoScalingGroupName': 'string',
                'ExpireTime': datetime(2015, 1, 1)
            },
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',

```

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```

        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
],

```

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```

        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **InstancesSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumeId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **HotAdd** (*string*) –
      - **ImageId** (*string*) –
      - **ImageName** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceLifecycle** (*string*) –
      - **InstanceState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **InstanceType** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **IpAddress** (*string*) –
      - **IpAddressV6** (*string*) –
      - **IpType** (*string*) –
      - **KernelId** (*string*) –

- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –

- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- *(dict)* –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- *(dict)* –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- *(dict)* –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –



- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **RequestId** (*string*) –

**describe\_addresses** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_addresses(
    PrivateIpAddress=[
        'string',
    ],
    PublicIp=[
        'string',
    ]
)
```

#### Parameters

- **PrivateIpAddress** (*list*) –
  - (*string*) –
- **PublicIp** (*list*) –
  - (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
    'AddressesSet': [
        {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'AvailabilityZone': 'string',
            'Description': 'string',
            'Domain': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkInterfaceOwnerId': 'string',
            'PrivateIpAddress': 'string',
            'PublicIp': 'string'
        },
    ],
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **AddressesSet** (*list*) –
    - \* (*dict*) –
      - **AllocationId** (*string*) –
      - **AssociationId** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **Description** (*string*) –

- **Domain** (*string*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
  - **NetworkInterfaceId** (*string*) –
  - **NetworkInterfaceOwnerId** (*string*) –
  - **PrivateIpAddress** (*string*) –
  - **PublicIp** (*string*) –
- **RequestId** (*string*) –

**describe\_associated\_users** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_associated_users(  
    FunctionName='string'  
)
```

**Parameters** **FunctionName** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'DescribeAssociatedUsersResult': {'... recursive ...'},  
    'ResponseMetadata': {  
        'RequestId': 'string'  
    },  
    'Users': [  
        {  
            'UserId': 'string'  
        },  
    ]  
}
```

#### Response Structure

- (*dict*) –
  - **DescribeAssociatedUsersResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –
  - **Users** (*list*) –
    - \* (*dict*) –
      - **UserId** (*string*) –

**describe\_availability\_zones** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_availability_zones(  
    ZoneName=[  
        'string',  
    ]  
)
```

**Parameters** **ZoneName** (*list*) –

- (*string*) –

**Return type** dict

## Returns

### Response Syntax

```
{
  'AvailabilityZoneInfo': [
    {
      'MessageSet': [
        {
          'Message': 'string'
        },
      ],
      'RegionName': 'string',
      'ZoneName': 'string',
      'ZoneState': 'string'
    },
  ],
  'RequestId': 'string'
}
```

### Response Structure

- *(dict)* –
  - **AvailabilityZoneInfo** (*list*) –
    - \* *(dict)* –
      - **MessageSet** (*list*) –
        - *(dict)* –
          - **Message** (*string*) –
          - **RegionName** (*string*) –
          - **ZoneName** (*string*) –
          - **ZoneState** (*string*) –
  - **RequestId** (*string*) –

**describe\_customer\_gateways** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_customer_gateways(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ]
)
```

### Parameters

- **CustomerGatewayId** (*list*) –
  - (*string*) –
- **Filter** (*list*) –

- (dict) -
  - \* **Name** (string) -
  - \* **RequestValue** (list) -
    - (string) -
- **NiftyCustomerGatewayName** (list) -
  - (string) -

**Return type** dict

**Returns**

### Response Syntax

```
{
  'CustomerGatewaySet': [
    {
      'BgpAsn': 'string',
      'CreatedTime': datetime(2015, 1, 1),
      'CustomerGatewayId': 'string',
      'IpAddress': 'string',
      'NiftyCustomerGatewayDescription': 'string',
      'NiftyCustomerGatewayName': 'string',
      'NiftyLanSideCidrBlock': 'string',
      'NiftyLanSideIpAddress': 'string',
      'State': 'string',
      'TagSet': [
        {
          'Key': 'string',
          'Value': 'string'
        },
      ],
      'Type': 'string'
    },
  ],
  'RequestId': 'string'
}
```

### Response Structure

- (dict) -
  - **CustomerGatewaySet** (list) -
    - \* (dict) -
      - **BgpAsn** (string) -
      - **CreatedTime** (datetime) -
      - **CustomerGatewayId** (string) -
      - **IpAddress** (string) -
      - **NiftyCustomerGatewayDescription** (string) -
      - **NiftyCustomerGatewayName** (string) -
      - **NiftyLanSideCidrBlock** (string) -
      - **NiftyLanSideIpAddress** (string) -
      - **State** (string) -
      - **TagSet** (list) -
        - (dict) -
          - **Key** (string) -
          - **Value** (string) -
        - **Type** (string) -
  - **RequestId** (string) -

`describe_dhcp_options` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

## Request Syntax

```

response = client.describe_dhcp_options(
    DhcpOptionsId=[
        'string',
    ],
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)

```

### Parameters

- **DhcpOptionsId** (*list*) –
  - (*string*) –
- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –

**Return type** dict

### Returns

#### Response Syntax

```

{
    'DhcpOptionsSet': {
        'DhcpConfigurationSet': [
            {
                'Key': 'string',
                'ValueSet': [
                    {
                        'Value': 'string'
                    },
                ]
            },
        ],
        'DhcpOptionsId': 'string'
    },
    'RequestId': 'string'
}

```

#### Response Structure

- (*dict*) –
  - **DhcpOptionsSet** (*dict*) –
    - \* **DhcpConfigurationSet** (*list*) –
      - (*dict*) –
      - **Key** (*string*) –
      - **ValueSet** (*list*) –
        - (*dict*) –
        - **Value** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
  - **RequestId** (*string*) –

**describe\_images** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_images(  
    ImageId=[  
        'string',  
    ],  
    ImageName=[  
        'string',  
    ],  
    Owner=[  
        'string',  
    ]  
)
```

### Parameters

- **ImageId** (*list*) –  
– (*string*) –
- **ImageName** (*list*) –  
– (*string*) –
- **Owner** (*list*) –  
– (*string*) –

Return type dict

### Returns

### Response Syntax

```
{  
    'ImagesSet': [  
        {  
            'Architecture': 'string',  
            'BlockDeviceMapping': [  
                {  
                    'DeviceName': 'string',  
                    'Ebs': {  
                        'AttachTime': datetime(2015, 1, 1),  
                        'DeleteOnTermination': True|False,  
                        'SnapshotId': 'string',  
                        'Status': 'string',  
                        'VolumeId': 'string',  
                        'VolumeSize': 123  
                    },  
                    'NoDevice': 'string',  
                    'VirtualName': 'string'  
                },  
            ],  
            'Description': 'string',  
            'DetailDescription': 'string',  
            'ImageId': 'string',  
            'ImageLocation': 'string',  
            'ImageOwnerAlias': 'string',  
            'ImageOwnerId': 'string',  
            'ImageState': 'string',  
            'ImageType': 'string',  
            'IsPublic': True|False,  
            'KernelId': 'string',
```

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```

'LaunchTime': datetime(2015, 1, 1),
'Name': 'string',
'NiftyContactUrl': 'string',
'NiftyDistributionIds': [
    {
        'DistributionId': 'string'
    },
],
'NiftyImageSize': 123,
'NiftyIsAllowedDistribution': True|False,
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Redistributable': True|False,
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
}
},
],
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **ImagesSet** (list) –
    - \* (dict) –
      - **Architecture** (string) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –
      - **DeleteOnTermination** (boolean) –
      - **SnapshotId** (string) –
      - **Status** (string) –
      - **VolumeId** (string) –
      - **VolumeSize** (integer) –
      - **NoDevice** (string) –
      - **VirtualName** (string) –
      - **Description** (string) –
      - **DetailDescription** (string) –
      - **ImageId** (string) –
      - **ImageLocation** (string) –
      - **ImageOwnerAlias** (string) –

- **ImageOwnerId** (*string*) –
  - **ImageState** (*string*) –
  - **ImageType** (*string*) –
  - **IsPublic** (*boolean*) –
  - **KernelId** (*string*) –
  - **LaunchTime** (*datetime*) –
  - **Name** (*string*) –
  - **NiftyContactUrl** (*string*) –
  - **NiftyDistributionIds** (*list*) –
  - (*dict*) –
  - **DistributionId** (*string*) –
  - **NiftyImageSize** (*integer*) –
  - **NiftyIsAllowedDistribution** (*boolean*) –
  - **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
  - **Platform** (*string*) –
  - **ProductCodes** (*list*) –
  - (*dict*) –
  - **ProductCode** (*string*) –
  - **RamdiskId** (*string*) –
  - **Redistributable** (*boolean*) –
  - **RootDeviceName** (*string*) –
  - **RootDeviceType** (*string*) –
  - **StateReason** (*dict*) –
  - **Code** (*integer*) –
  - **Message** (*string*) –
- **RequestId** (*string*) –

`describe_instance_attribute` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_instance_attribute(
    Attribute='string',
    InstanceId='string'
)
```

#### Parameters

- **Attribute** (*string*) –
- **InstanceId** (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
  'AccountingType': {
    'Value': 'string'
  },
  'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
  },
  'BlockDeviceMapping': [
```

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```

    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': {
    'InstanceCopy': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'Value': 'string'
},
'DescriptionValue': {
    'Value': 'string'
},
'DisableApiTermination': {
    'Value': 'string'
},
'GroupIdValue': {
    'Value': 'string'
},
'InstanceId': 'string',
'InstanceInitiatedShutdownBehavior': {
    'Value': 'string'
},
'InstanceType': {
    'Value': 'string'
},
'InstanceUniqueId': 'string',
'IpType': {
    'Value': 'string'
},
'Kernel': {
    'Value': 'string'
},
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'NetworkInterfaceSet': [
    {
        'Association': {

```

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```

        'AllocationId': 'string',
        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,

```

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```

        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': {
    'Value': 'string'
},
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
],
'NiftyPrivateIpType': {
    'Value': 'string'
},
'Ramdisk': {
    'Value': 'string'
},
'RequestId': 'string',
'RootDeviceName': {
    'Value': 'string'
},
},
'UserData': {
    'Value': 'string'
}
}

```

**Response Structure**

- *(dict)* –
  - **AccountingType** *(dict)* –
    - \* **Value** *(string)* –
  - **Autoscaling** *(dict)* –
    - \* **AutoScalingGroupName** *(string)* –
    - \* **ExpireTime** *(datetime)* –
  - **BlockDeviceMapping** *(list)* –
    - \* *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –

- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*dict*) –
  - \* **InstanceCopy** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **Value** (*string*) –
- **DescriptionValue** (*dict*) –
  - \* **Value** (*string*) –
- **DisableApiTermination** (*dict*) –
  - \* **Value** (*string*) –
- **GroupIdValue** (*dict*) –
  - \* **Value** (*string*) –
- **InstanceId** (*string*) –
- **InstanceInitiatedShutdownBehavior** (*dict*) –
  - \* **Value** (*string*) –
- **InstanceType** (*dict*) –
  - \* **Value** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpType** (*dict*) –
  - \* **Value** (*string*) –
- **Kernel** (*dict*) –
  - \* **Value** (*string*) –
- **Loadbalancing** (*list*) –
  - \* (*dict*) –
    - **InstancePort** (*integer*) –
    - **LoadBalancerName** (*string*) –
    - **LoadBalancerPort** (*integer*) –
    - **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
  - \* (*dict*) –
    - **Association** (*dict*) –
    - **AllocationId** (*string*) –
    - **AssociationId** (*string*) –
    - **IpOwnerId** (*string*) –
    - **PublicDnsName** (*string*) –
    - **PublicIp** (*string*) –
    - **PublicIpV6** (*string*) –
    - **Attachment** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **AttachmentID** (*string*) –
      - **AttachmentId** (*string*) –
      - **DeleteOnTermination** (*boolean*) –
      - **DeviceIndex** (*integer*) –
      - **InstanceId** (*string*) –
      - **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*dict*) –
  - \* **Value** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
  - \* (*dict*) –
    - **ElasticLoadBalancerId** (*string*) –
    - **ElasticLoadBalancerName** (*string*) –

- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*dict*) –
  - \* **Value** (*string*) –
- **Ramdisk** (*dict*) –
  - \* **Value** (*string*) –
- **RequestId** (*string*) –
- **RootDeviceName** (*dict*) –
  - \* **Value** (*string*) –
- **UserData** (*dict*) –
  - \* **Value** (*string*) –

**describe\_instance\_health** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_instance_health(  
    InstancePort=123,  
    Instances=[  
        {  
            'InstanceId': 'string',  
            'InstanceUniqueId': 'string'  
        },  
    ],  
    LoadBalancerName='string',  
    LoadBalancerPort=123  
)
```

#### Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict

#### Returns

##### Response Syntax

```
{  
    'DescribeInstanceHealthResult': {'... recursive ...'},  
    'InstanceStates': [  
        {  
            'Description': 'string',  
            'InstanceId': 'string',  
            'InstanceUniqueId': 'string',  
            'ReasonCode': 'string',  
            'State': 'string'  
        },  
    ],  
    'ResponseMetadata': {  
        'RequestId': 'string'  
    }  
}
```

**Response Structure**

- *(dict)* –
  - **DescribeInstanceHealthResult** (*dict*) –
  - **InstanceStates** (*list*) –
    - \* (*dict*) –
      - **Description** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **ReasonCode** (*string*) –
      - **State** (*string*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**describe\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.describe_instances(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

**Parameters**

- **InstanceId** (*list*) –
  - (*string*) –
- **Tenancy** (*list*) –
  - (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
↵datetime(2015, 1, 1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
```

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```

        {
            'AlarmRulesActivitiesEventSet': [
                {
                    'AlarmRulesActivitiesEvent
↪': 'string',
↪ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                    'ResourceName': 'string',
                    'Value': 'string'
                },
            ],
            'Date': 'string'
        },
    ],
    'DataType': 'string'
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',

```

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```

        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',

```

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```

        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId':
                    'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},

```

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```

        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
}
]
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **ReservationSet** (list) –
    - \* (dict) –
      - **AlarmCondition** (string) –
      - **AlarmDateHistorySet** (list) –
      - (dict) –
      - **AlarmEventHistorySet** (list) –
      - (dict) –
      - **AlarmEvent** (string) –
      - **AlarmEventDatetime** (datetime) –
      - **Date** (string) –
      - **AlarmRulesActivitiesSet** (list) –
      - (dict) –
      - **AlarmRulesActivitiesDateSet** (list) –
      - (dict) –
      - **AlarmRulesActivitiesEventSet** (list) –
      - (dict) –
      - **AlarmRulesActivitiesEvent** (string) –
      - **AlarmRulesActivitiesEventDatetime** (datetime) –
      - **ResourceName** (string) –
      - **Value** (string) –
      - **Date** (string) –
      - **DataType** (string) –
      - **AlarmState** (string) –
      - **AlarmTargetsSet** (list) –
      - (dict) –
      - **ResourceName** (string) –
      - **CreatedTime** (datetime) –
      - **Description** (string) –
      - **EmailAddressSet** (list) –

- *(dict)* –
- **EmailAddress** (*string*) –
- **FunctionName** (*string*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- *(dict)* –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- *(dict)* –
- **InstancePort** (*integer*) –

- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –

- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

**describe\_key\_pairs** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_key_pairs(
    KeyName=[
        'string',
    ]
)
```

**Parameters** **KeyName** (*list*) –

- (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'KeySet': [
        {
            'Description': 'string',
            'InstancesSet': [
                {
                    'AccountingType': 'string',
                    'Admin': 'string',
                    'AmiLaunchIndex': 'string',
                    'Architecture': 'string',
                    'Autoscaling': {
                        'AutoScalingGroupName': 'string',
                        'ExpireTime': datetime(2015, 1, 1)
                    },
                    'BlockDeviceMapping': [
                        {
                            'DeviceName': 'string',
                            'Ebs': {
                                'AttachTime': datetime(2015, 1,
↪ 1),
                                'DeleteOnTermination': ↵
↪ True|False,
                                'SnapshotId': 'string',
                                'Status': 'string',
                                'VolumeId': 'string',
                                'VolumeSize': 123
                            },
                            'NoDevice': 'string',
                            'VirtualName': 'string'
```

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```

    },
    ],
    'CopyInfo': 'string',
    'CurrentState': {
        'Code': 123,
        'Name': 'string'
    },
    'Description': 'string',
    'DeviceIndex': 123,
    'DnsName': 'string',
    'ExpireTime': datetime(2015, 1, 1),
    'HotAdd': 'string',
    'ImageId': 'string',
    'ImageName': 'string',
    'InstanceId': 'string',
    'InstanceLifecycle': 'string',
    'InstanceState': {
        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        }
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↵
↪ True|False,
                'DeviceIndex': 123,

```

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```

        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string

→ ',

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'

```

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```

        },
    ],
    'KeyFingerprint': 'string',
    'KeyName': 'string'
},
],
'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **KeySet** (*list*) –
    - \* (*dict*) –
      - **Description** (*string*) –
      - **InstancesSet** (*list*) –
      - (*dict*) –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - (*dict*) –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumeId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **HotAdd** (*string*) –
      - **ImageId** (*string*) –
      - **ImageName** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceLifecycle** (*string*) –
      - **InstanceState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **InstanceType** (*string*) –
      - **InstanceUniqueId** (*string*) –

- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Desription** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –

- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –

- **RootDeviceName** (*string*) –
  - **RootDeviceType** (*string*) –
  - **SpotInstanceRequestId** (*string*) –
  - **StateReason** (*dict*) –
  - **Code** (*integer*) –
  - **Message** (*string*) –
  - **SubnetId** (*string*) –
  - **Tenancy** (*string*) –
  - **VpcId** (*string*) –
  - **KeyFingerprint** (*string*) –
  - **KeyName** (*string*) –
- **RequestId** (*string*) –

**describe\_load\_balancers** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_load_balancers(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ]
)
```

**Parameters** **LoadBalancerNames** (*list*) –

- (*dict*) –
  - **InstancePort** (*integer*) –
  - **LoadBalancerName** (*string*) –
  - **LoadBalancerPort** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'DescribeLoadBalancersResult': {'... recursive ...'},
    'LoadBalancerDescriptions': [
        {
            'AccountingType': 'string',
            'AvailabilityZones': [
                'string',
            ],
            'CreatedTime': datetime(2015, 1, 1),
            'DNSName': 'string',
            'Description': 'string',
            'Filter': {
                'FilterType': 'string',
                'IPAddresses': [
                    {
                        'IPAddress': 'string'
                    },
                ]
            },
        },
    ],
}
```

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```

'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
        {
            'Description': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'ReasonCode': 'string',
            'State': 'string'
        },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
},
'Instances': [
    {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
    },
],
'ListenerDescriptions': [
    {
        'Listener': {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'HealthCheck': {
                'HealthyThreshold': 123,
                'InstanceStates': [
                    {
                        'Description': 'string',
                        'InstanceId': 'string',
                        'InstanceUniqueId': 'string
                        'ReasonCode': 'string',
                        'State': 'string'
                    },
                ],
                'Interval': 123,
                'Target': 'string',
                'Timeout': 123,
                'UnhealthyThreshold': 123
            },
            'InstancePort': 123,
            'Instances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'SSLCertificateId': 'string',
            'SessionStickinessPolicy': {
                'Enabled': True|False,

```

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```

        'ExpirationPeriod': 123,
        'Method': 123
    },
    'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
    }
},
'PolicyNames': [
    'string',
]
},
],
'LoadBalancerName': 'string',
'NetworkVolume': 123,
'NextMonthAccountingType': 'string',
'Option': {
    'MobileFilter': {
        'Enabled': True|False
    },
    'NameServer': 'string',
    'SessionStickinessPolicy': {
        'Enabled': True|False,
        'ExpirationPeriod': 123,
        'Method': 123
    },
    'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
    }
},
'Policies': {
    'AppCookieStickinessPolicies': [
        {
            'CookieName': 'string',
            'PolicyName': 'string'
        },
    ],
    'LBCookieStickinessPolicies': [
        {
            'CookieExpirationPeriod': 'string',
            'PolicyName': 'string'
        },
    ],
}
},
],
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

**Response Structure**

- (dict) –
- DescribeLoadBalancersResult (dict) –

- **LoadBalancerDescriptions** (*list*) -
  - \* (*dict*) -
    - **AccountingType** (*string*) -
    - **AvailabilityZones** (*list*) -
    - (*string*) -
    - **CreatedTime** (*datetime*) -
    - **DNSName** (*string*) -
    - **Description** (*string*) -
    - **Filter** (*dict*) -
    - **FilterType** (*string*) -
    - **IPAddresses** (*list*) -
    - (*dict*) -
    - **IPAddress** (*string*) -
    - **HealthCheck** (*dict*) -
    - **HealthyThreshold** (*integer*) -
    - **InstanceStates** (*list*) -
    - (*dict*) -
    - **Description** (*string*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **ReasonCode** (*string*) -
    - **State** (*string*) -
    - **Interval** (*integer*) -
    - **Target** (*string*) -
    - **Timeout** (*integer*) -
    - **UnhealthyThreshold** (*integer*) -
    - **Instances** (*list*) -
    - (*dict*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **ListenerDescriptions** (*list*) -
    - (*dict*) -
    - **Listener** (*dict*) -
    - **BalancingType** (*integer*) -
    - **Description** (*string*) -
    - **ElasticLoadBalancerPort** (*integer*) -
    - **HealthCheck** (*dict*) -
    - **HealthyThreshold** (*integer*) -
    - **InstanceStates** (*list*) -
    - (*dict*) -
    - **Description** (*string*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **ReasonCode** (*string*) -
    - **State** (*string*) -
    - **Interval** (*integer*) -
    - **Target** (*string*) -
    - **Timeout** (*integer*) -
    - **UnhealthyThreshold** (*integer*) -
    - **InstancePort** (*integer*) -
    - **Instances** (*list*) -
    - (*dict*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -

- **LoadBalancerPort** (*integer*) –
- **Protocol** (*string*) –
- **SSLCertificateId** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **PolicyNames** (*list*) –
- (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolume** (*integer*) –
- **NextMonthAccountingType** (*string*) –
- **Option** (*dict*) –
- **MobileFilter** (*dict*) –
- **Enabled** (*boolean*) –
- **NameServer** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **Policies** (*dict*) –
- **AppCookieStickinessPolicies** (*list*) –
- (*dict*) –
- **CookieName** (*string*) –
- **PolicyName** (*string*) –
- **LBCookieStickinessPolicies** (*list*) –
- (*dict*) –
- **CookieExpirationPeriod** (*string*) –
- **PolicyName** (*string*) –
- **ResponseMetadata** (*dict*) –
- \* **RequestId** (*string*) –

**describe\_network\_interfaces** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_network_interfaces(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NetworkInterfaceId=[
```

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```

        'string',
    ]
)

```

**Parameters**

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **NetworkInterfaceId** (*list*) –
  - (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                }
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                }
            ],

```

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```

    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **NetworkInterfaceSet** (list) –
    - \* (dict) –
      - **Association** (dict) –
      - **AllocationId** (string) –
      - **AssociationId** (string) –
      - **IpOwnerId** (string) –
      - **PublicDnsName** (string) –
      - **PublicIp** (string) –
      - **PublicIpV6** (string) –
      - **Attachment** (dict) –
      - **AttachTime** (datetime) –

- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

**describe\_regions** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_regions(
    RegionName=[
        'string',
    ]
)
```

**Parameters** **RegionName** (*list*) –

- (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RegionInfo': [
        {
            'IsDefault': True|False,
            'MessageSet': [
                {
                    'Message': 'string'
                },
            ],
            'RegionEndpoint': 'string',
            'RegionName': 'string'
        },
    ],
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –

- **RegionInfo** (*list*) –

- \* (*dict*) –

- **IsDefault** (*boolean*) –

- **MessageSet** (*list*) –

- (*dict*) –

- **Message** (*string*) –

- **RegionEndpoint** (*string*) –

- **RegionName** (*string*) –

- **RequestId** (*string*) –

**describe\_resources** ()

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_resources()
```

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'RequestId': 'string',
  'ResourceInfo': {
    'AddDiskCount': 123,
    'AddDiskTotalSize': 123,
    'AutoScaleCount': 123,
    'CustomizeImageCount': 123,
    'DynamicIpCount': 123,
    'ElasticIpItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'ElasticLoadBalancerCount': 123,
    'InstanceItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'LoadBalancerCount': 123,
    'MonitoringRuleCount': 123,
    'NetworkFlowAmount': 123,
    'PremiumSupportSet': [
      {
        'Charge': 123,
        'SupportName': 'string',
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'PrivateLanClassicCount': 123,
    'PrivateLanCount': 123,
    'RouterItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'SecurityGroupCount': 123,
    'SslCertCount': 123,
    'VpnGatewayItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
  ]
}
```

### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **ResourceInfo** (*dict*) –
    - \* **AddDiskCount** (*integer*) –
    - \* **AddDiskTotalSize** (*integer*) –



- \* **AutoScaleCount** (*integer*) –
- \* **CustomizeImageCount** (*integer*) –
- \* **DynamicIpCount** (*integer*) –
- \* **ElasticIpItemSet** (*list*) –
  - (*dict*) –
  - **Count** (*integer*) –
  - **Type** (*string*) –
- \* **ElasticLoadBalancerCount** (*integer*) –
- \* **InstanceItemSet** (*list*) –
  - (*dict*) –
  - **Count** (*integer*) –
  - **Type** (*string*) –
- \* **LoadBalancerCount** (*integer*) –
- \* **MonitoringRuleCount** (*integer*) –
- \* **NetworkFlowAmount** (*integer*) –
- \* **PremiumSupportSet** (*list*) –
  - (*dict*) –
  - **Charge** (*integer*) –
  - **SupportName** (*string*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **PrivateLanClassicCount** (*integer*) –
- \* **PrivateLanCount** (*integer*) –
- \* **RouterItemSet** (*list*) –
  - (*dict*) –
  - **Count** (*integer*) –
  - **Type** (*string*) –
- \* **SecurityGroupCount** (*integer*) –
- \* **SslCertCount** (*integer*) –
- \* **VpnGatewayItemSet** (*list*) –
  - (*dict*) –
  - **Count** (*integer*) –
  - **Type** (*string*) –

**describe\_route\_tables** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_route_tables(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouteTableId=[
        'string',
    ]
)
```

#### Parameters

- **Filter** (*list*) –

- (*dict*)-
  - \* **Name** (*string*)-
  - \* **RequestValue** (*list*)-
    - (*string*)-
- **RouteTableId** (*list*)-
  - (*string*)-

**Return type** dict

**Returns**

### Response Syntax

```
{
  'RequestId': 'string',
  'RouteTableSet': [
    {
      'AssociationSet': [
        {
          'AssociationId': 'string',
          'Main': True|False,
          'NatTableId': 'string',
          'RouteTableAssociationId': 'string',
          'RouteTableId': 'string',
          'RouterId': 'string',
          'RouterName': 'string',
          'SubnetId': 'string'
        },
      ],
      'PropagatingVgwSet': [
        {
          'GatewayId': 'string',
          'NiftyGatewayName': 'string',
          'RouteTableAssociationId': 'string'
        },
      ],
      'RouteSet': [
        {
          'DestinationCidrBlock': 'string',
          'GatewayId': 'string',
          'InstanceId': 'string',
          'InstanceOwnerId': 'string',
          'IpAddress': 'string',
          'NetworkId': 'string',
          'NetworkInterfaceId': 'string',
          'NetworkName': 'string',
          'State': 'string'
        },
      ],
      'RouteTableId': 'string',
      'TagSet': [
        {
          'Key': 'string',
          'Value': 'string'
        },
      ],
      'VpcId': 'string'
    },
  ]
}
```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **RouteTableSet** (*list*) –
    - \* *(dict)* –
      - **AssociationSet** (*list*) –
      - *(dict)* –
      - **AssociationId** (*string*) –
      - **Main** (*boolean*) –
      - **NatTableId** (*string*) –
      - **RouteTableAssociationId** (*string*) –
      - **RouteTableId** (*string*) –
      - **RouterId** (*string*) –
      - **RouterName** (*string*) –
      - **SubnetId** (*string*) –
      - **PropagatingVgwSet** (*list*) –
      - *(dict)* –
      - **GatewayId** (*string*) –
      - **NiftyGatewayName** (*string*) –
      - **RouteTableAssociationId** (*string*) –
      - **RouteSet** (*list*) –
      - *(dict)* –
      - **DestinationCidrBlock** (*string*) –
      - **GatewayId** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceOwnerId** (*string*) –
      - **IpAddress** (*string*) –
      - **NetworkId** (*string*) –
      - **NetworkInterfaceId** (*string*) –
      - **NetworkName** (*string*) –
      - **State** (*string*) –
      - **RouteTableId** (*string*) –
      - **TagSet** (*list*) –
      - *(dict)* –
      - **Key** (*string*) –
      - **Value** (*string*) –
      - **VpcId** (*string*) –

**describe\_security\_activities** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.describe_security_activities(
    ActivityDate='string',
    GroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

**Parameters**

- **ActivityDate** (*string*) –
- **GroupName** (*string*) –

- **Range** (*dict*) –
  - **All** (*boolean*) –
  - **EndNumber** (*integer*) –
  - **StartNumber** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'GroupName': 'string',
    'Log': 'string',
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **GroupName** (*string*) –
  - **Log** (*string*) –
  - **RequestId** (*string*) –

**describe\_security\_group\_option** ()

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_security_group_option()
```

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'Course': 'string',
    'RequestId': 'string',
    'SecurityGroupLimit': 123
}
```

#### Response Structure

- (*dict*) –
  - **Course** (*string*) –
  - **RequestId** (*string*) –
  - **SecurityGroupLimit** (*integer*) –

**describe\_security\_groups** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_security_groups(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
```

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```

GroupName=[
    'string',
]
)

```

**Parameters**

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **GroupName** (*list*) –
  - (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'SecurityGroupInfo': [
    {
      'AvailabilityZone': 'string',
      'Description': 'string',
      'GroupDescription': 'string',
      'GroupLogFilterBroadcast': True|False,
      'GroupLogFilterNetBios': True|False,
      'GroupLogLimit': 123,
      'GroupName': 'string',
      'GroupRuleLimit': 123,
      'GroupStatus': 'string',
      'InstanceUniqueIdsSet': [
        {
          'InstanceUniqueId': 'string'
        },
      ],
      'InstancesNetworkInterfaceSet': [
        {
          'DeviceIndex': 123,
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'IpAddress': 'string',
          'NetworkId': 'string'
        },
      ],
      'InstancesSet': [
        {
          'AccountingType': 'string',
          'Admin': 'string',
          'AmiLaunchIndex': 'string',
          'Architecture': 'string',
          'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
          },
          'BlockDeviceMapping': [

```

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```

        {
            'DeviceName': 'string',
            'Ebs': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'DeleteOnTermination': ↪
↪ True|False,
                'SnapshotId': 'string',
                'Status': 'string',
                'VolumeId': 'string',
                'VolumeSize': 123
            },
            'NoDevice': 'string',
            'VirtualName': 'string'
        },
    ],
    'CopyInfo': 'string',
    'CurrentState': {
        'Code': 123,
        'Name': 'string'
    },
    'Description': 'string',
    'DeviceIndex': 123,
    'DnsName': 'string',
    'ExpireTime': datetime(2015, 1, 1),
    'HotAdd': 'string',
    'ImageId': 'string',
    'ImageName': 'string',
    'InstanceId': 'string',
    'InstanceLifecycle': 'string',
    'InstanceState': {
        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',

```

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```

        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),

        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': ↪

↪ True|False,

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',

                'AssociationId':

                'IpOwnerId': 'string',
                'PublicDnsName':

↪ 'string',

↪ 'string',

```

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```

        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],

```

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```

    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'IpPermissions': [
    {
        'AddDatetime': datetime(2015, 1, 1),
        'Description': 'string',
        'FromPort': 123,
        'Groups': [
            {
                'GroupName': 'string',
                'UserId': 'string'
            },
        ],
        'InOut': 'string',
        'IpProtocol': 'string',
        'IpRanges': [
            {
                'CidrIp': 'string'
            },
        ],
        'ToPort': 123
    },
],
'OwnerId': 'string',
'RouterNetworkInterfaceSet': [
    {
        'DeviceIndex': 123,
        'IpAddress': 'string',
        'NetworkId': 'string',
        'RouterId': 'string',
        'RouterName': 'string'
    },
],
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ]
    }
]

```

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```

    },
    ],
    'IpAddress': 'string',
    'NatTableAssociationId': 'string',
    'NatTableId': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↪
↪ True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Descriprion': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                },
            ],
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string'
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
],
'VpnGatewayNetworkInterfaceSet': [
    {
        'DeviceIndex': 123,
        'IpAddress': 'string',
        'NetworkId': 'string',
        'NiftyVpnGatewayName': 'string',
        'VpnGatewayId': 'string'
    },
],
'VpnGatewaySet': [

```

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```

{
    'AccountingType': 'string',
    'Attachments': [
        {
            'State': 'string',
            'VpcId': 'string'
        },
    ],
    'AvailabilityZone': 'string',
    'BackupInformation': {
        'ExpirationDate': datetime(2015, 1, 1),
        'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'DeviceIndex': 123,
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'IpAddress': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',

```

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```

        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId':
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {

```

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```

        'Key': 'string',
        'Value': 'string'
    },
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    'VpnGatewayId': 'string'
},
]
},
]
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **SecurityGroupInfo** (list) –
    - \* (dict) –
      - **AvailabilityZone** (string) –
      - **Description** (string) –
      - **GroupDescription** (string) –
      - **GroupLogFilterBroadcast** (boolean) –
      - **GroupLogFilterNetBios** (boolean) –
      - **GroupLogLimit** (integer) –
      - **GroupName** (string) –
      - **GroupRuleLimit** (integer) –
      - **GroupStatus** (string) –
      - **InstanceUniqueIdsSet** (list) –
      - (dict) –
      - **InstanceUniqueId** (string) –
      - **InstancesNetworkInterfaceSet** (list) –
      - (dict) –
      - **DeviceIndex** (integer) –
      - **InstanceId** (string) –
      - **InstanceUniqueId** (string) –
      - **IpAddress** (string) –
      - **NetworkId** (string) –
      - **InstancesSet** (list) –
      - (dict) –
      - **AccountingType** (string) –
      - **Admin** (string) –
      - **AmiLaunchIndex** (string) –
      - **Architecture** (string) –
      - **Autoscaling** (dict) –
      - **AutoScalingGroupName** (string) –
      - **ExpireTime** (datetime) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –

- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –

- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –



- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **IpPermissions** (*list*) –
- (*dict*) –
- **AddDatetime** (*datetime*) –
- **Description** (*string*) –
- **FromPort** (*integer*) –
- **Groups** (*list*) –
- (*dict*) –
- **GroupName** (*string*) –
- **UserId** (*string*) –
- **InOut** (*string*) –
- **IpProtocol** (*string*) –
- **IpRanges** (*list*) –
- (*dict*) –
- **CidrIp** (*string*) –
- **ToPort** (*integer*) –
- **OwnerId** (*string*) –
- **RouterNetworkInterfaceSet** (*list*) –
- (*dict*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –

- **NetworkId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **RouterSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –

- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VpnGatewayNetworkInterfaceSet** (*list*) –
- (*dict*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –
- **VpnGatewaySet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
- **BackupInformation** (*dict*) –

- **ExpirationDate** (*datetime*) –
- **IsBackup** (*boolean*) –
- **CreatedTime** (*datetime*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –

- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

`describe_service_status` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_service_status(
    FromDate='string',
    ToDate='string'
)
```

### Parameters

- **FromDate** (*string*) –
- **ToDate** (*string*) –

Return type dict

### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
```

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```

'ServiceStatusSet': [
    {
        'ControlPanelStatus': 'string',
        'Date': 'string',
        'DiskStatus': 'string',
        'InstanceStatus': 'string',
        'NetworkStatus': 'string',
        'StorageStatus': 'string'
    },
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **ServiceStatusSet** (*list*) –
    - \* *(dict)* –
      - **ControlPanelStatus** (*string*) –
      - **Date** (*string*) –
      - **DiskStatus** (*string*) –
      - **InstanceStatus** (*string*) –
      - **NetworkStatus** (*string*) –
      - **StorageStatus** (*string*) –

**describe\_ssl\_certificate\_attribute** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_ssl_certificate_attribute(
    Attribute='string',
    FqdnId='string'
)

```

**Parameters**

- **Attribute** (*string*) –
- **FqdnId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'CaState': {
        'Value': 'string'
    },
    'CertAuthority': {
        'Value': 'string'
    },
    'CertInfo': {
        'CountryName': 'string',
        'EmailAddress': 'string',
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
    }
}

```

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```

    },
    'CertState': {
        'Value': 'string'
    },
    },
    'Count': {
        'Value': 'string'
    },
    },
    'DescriptionValue': {
        'Value': 'string'
    },
    },
    'Fqdn': 'string',
    'FqdnId': 'string',
    'KeyLength': {
        'Value': 'string'
    },
    },
    'Period': {
        'EndDate': datetime(2015, 1, 1),
        'StartDate': datetime(2015, 1, 1),
        'ValidityTerm': 123
    },
    },
    'RequestId': 'string',
    'UploadState': {
        'Value': 'string'
    }
}

```

**Response Structure**

- *(dict)* –
  - **CaState** (*dict*) –
    - \* **Value** (*string*) –
  - **CertAuthority** (*dict*) –
    - \* **Value** (*string*) –
  - **CertInfo** (*dict*) –
    - \* **CountryName** (*string*) –
    - \* **EmailAddress** (*string*) –
    - \* **LocationName** (*string*) –
    - \* **OrganizationName** (*string*) –
    - \* **OrganizationUnitName** (*string*) –
    - \* **StateName** (*string*) –
  - **CertState** (*dict*) –
    - \* **Value** (*string*) –
  - **Count** (*dict*) –
    - \* **Value** (*string*) –
  - **DescriptionValue** (*dict*) –
    - \* **Value** (*string*) –
  - **Fqdn** (*string*) –
  - **FqdnId** (*string*) –
  - **KeyLength** (*dict*) –
    - \* **Value** (*string*) –
  - **Period** (*dict*) –
    - \* **EndDate** (*datetime*) –
    - \* **StartDate** (*datetime*) –
    - \* **ValidityTerm** (*integer*) –
  - **RequestId** (*string*) –
  - **UploadState** (*dict*) –

\* **Value** (*string*) –

**describe\_ssl\_certificates** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_ssl_certificates(
    Fqdn=[
        'string',
    ],
    FqdnId=[
        'string',
    ]
)
```

### Parameters

- **Fqdn** (*list*) –
  - (*string*) –
- **FqdnId** (*list*) –
  - (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
  'CertsSet': [
    {
      'CaState': True|False,
      'CertAuthority': 'string',
      'CertInfo': {
        'CountryName': 'string',
        'EmailAddress': 'string',
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
      },
      'CertState': 'string',
      'Count': 123,
      'Description': 'string',
      'Fqdn': 'string',
      'FqdnId': 'string',
      'KeyLength': 123,
      'Period': {
        'EndDate': datetime(2015, 1, 1),
        'StartDate': datetime(2015, 1, 1),
        'ValidityTerm': 123
      },
      'UploadState': True|False
    },
  ],
  'RequestId': 'string'
}
```

### Response Structure

- (*dict*) –
  - **CertsSet** (*list*) –



- \* (*dict*) –
  - **CaState** (*boolean*) –
  - **CertAuthority** (*string*) –
  - **CertInfo** (*dict*) –
  - **CountryName** (*string*) –
  - **EmailAddress** (*string*) –
  - **LocationName** (*string*) –
  - **OrganizationName** (*string*) –
  - **OrganizationUnitName** (*string*) –
  - **StateName** (*string*) –
  - **CertState** (*string*) –
  - **Count** (*integer*) –
  - **Description** (*string*) –
  - **Fqdn** (*string*) –
  - **FqdnId** (*string*) –
  - **KeyLength** (*integer*) –
  - **Period** (*dict*) –
  - **EndDate** (*datetime*) –
  - **StartDate** (*datetime*) –
  - **ValidityTerm** (*integer*) –
  - **UploadState** (*boolean*) –
- **RequestId** (*string*) –

**describe\_uploads** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_uploads(
    ConversionTaskId=[
        'string',
    ]
)
```

**Parameters** **ConversionTaskId** (*list*) –

- (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'Uploads': [
        {
            'ConversionTaskId': 123,
            'ExpirationTime': 'string',
            'ImportInstance': {
                'AvailabilityZone': 'string',
                'Description': 'string',
                'Image': {
                    'Checksum': 123,
                    'Format': 'string',
                    'ImportManifestUrl': 'string',
                    'Size': 123
                },
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
```

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```

        'Platform': 'string',
        'Volumes': [
            {
                'AvailabilityZone': 'string',
                'BytesConverted': 123,
                'Description': 'string',
                'Image': {
                    'Checksum': 123,
                    'Format': 'string',
                    'ImportManifestUrl': 'string',
                    'Size': 123
                },
                'Status': 'string',
                'StatusMessage': 'string',
                'Volume': {
                    'Id': 'string',
                    'Size': 123
                }
            },
        ],
    },
]
}

```

**Response Structure**

- (dict) –
  - Uploads (list) –
    - \* (dict) –
      - ConversionTaskId (integer) –
      - ExpirationTime (string) –
      - ImportInstance (dict) –
      - AvailabilityZone (string) –
      - Description (string) –
      - Image (dict) –
      - Checksum (integer) –
      - Format (string) –
      - ImportManifestUrl (string) –
      - Size (integer) –
      - InstanceId (string) –
      - InstanceUniqueId (string) –
      - Platform (string) –
      - Volumes (list) –
      - (dict) –
        - AvailabilityZone (string) –
        - BytesConverted (integer) –
        - Description (string) –
        - Image (dict) –
        - Checksum (integer) –
        - Format (string) –
        - ImportManifestUrl (string) –
        - Size (integer) –
        - Status (string) –
        - StatusMessage (string) –
        - Volume (dict) –

- **Id** (*string*) –
- **Size** (*integer*) –

**describe\_usage** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_usage(
    IsCharge=True|False,
    Region='string',
    YearMonth='string'
)
```

### Parameters

- **IsCharge** (*boolean*) –
- **Region** (*string*) –
- **YearMonth** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
  'AutoScaleInfo': {
    'AutoScaleCount': {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
    'RunningScaleOutInstanceSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'RunningScaleOutOsSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'StoppedScaleOutInstanceSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'StoppedScaleOutOsSet': [
      {
        'Charge': 123,
```

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```
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
]
},
'ChargeDetailInfo': {
    'ChargeDetail': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'CopyInfo': {
    'InstanceCopy': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'Value': 'string'
},
'ElasticIpInfo': {
    'ElasticIpSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'ElasticLoadBalancerInfo': {
    'Vip': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipMeasuredRate': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
}
},
'ExtraChargeInfo': {
    'ExtraChargeMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
```

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```

        'Value': 123
    },
]
},
'ImageInfo': {
    'CreateImage': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'KeepImageSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'InstanceInfo': {
    'DynamicIpMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'DynamicIpMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'InstanceMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'MultiIpMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'OsMeasuredRate': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'OsMonthlyRate': [
        {

```

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```
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'RunningInstanceMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'StoppedInstanceMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
]
},
'InternetVpnInfo': {
    'InternetVpnInitial': {
        'Charge': 123,
        'Value': 123
    },
    'InternetVpnMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'LicenseInfo': {
    'LicenseMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'LoadBalancerInfo': {
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipMeasuredRateSet': [
```

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```
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
],
'MailSendInfo': {
    'MailSendInitial': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMonthlyExceedRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'MultiAccountInfo': {
    'MultiAccount': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
}
```

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```
},
'NetworkInfo': {
  'NetworkFlowSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'OptionCommonInfo': [
  {
    'OptionName': 'string',
    'OptionSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ]
  },
],
'OptionInfo': [
  {
    'OptionName': 'string',
    'OptionSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ]
  },
],
'OsOptionChargeInfo': {
  'OsOptionChargeMonthlyRateSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'PatternAuthInfo': {
  'PatternAuthSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
},
```

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```

'PremiumSupportInfo': {
  'PremiumSupportSet': [
    {
      'Charge': 123,
      'SupportName': 'string',
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'PrivateLanInfo': {
  'PrivateLan': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'Charge': 123,
    'CidrBlock': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'InstancesSet': [
      {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
          'AutoScalingGroupName': 'string',
          'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
          {
            'DeviceName': 'string',
            'Ebs': {
              'AttachTime': datetime(2015, 1,
↪ 1),
              'DeleteOnTermination': ↪
↪ True|False,
              'SnapshotId': 'string',
              'Status': 'string',
              'VolumeId': 'string',
              'VolumeSize': 123
            },
            'NoDevice': 'string',
            'VirtualName': 'string'
          },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
          'Code': 123,
          'Name': 'string'
        },
        'Description': 'string',
        'DeviceIndex': 123,
        'DnsName': 'string',
        'ExpireTime': datetime(2015, 1, 1),
        'HotAdd': 'string',
        'ImageId': 'string',

```

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```

'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪

↪ True|False,

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {

```

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```

        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string
↳ ',
            'AssociationId':
↳ 'string',
            'IpOwnerId': 'string',
            'PublicDnsName':
↳ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string
↳ '
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',

```

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```

        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},
],
'PrivateLanId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [

```

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```

        'GroupId': 'string'
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',

```

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```

        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string'
                    ↪',
                    'AssociationId':
                    ↪'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                    ↪'string',
                    'PublicIp': 'string',
                    'PublicIPv6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            ↪'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
],
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'Unit': 'string',

```

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```

'Value': 123,
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        },
        'CreatedTime': datetime(2015, 1, 1),
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': ↪
↪ True|False,
                    'DeviceIndex': 123,
                    'InstanceId': 'string',
                    'InstanceOwnerId': 'string',
                    'Status': 'string'
                },
                'AvailabilityZone': 'string',
                'CidrBlock': 'string',
                'Descriprion': 'string',
                'Description': 'string',
                'DeviceIndex': 123,
                'Dhcp': True|False,
                'DhcpOptionsId': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
            },
        ],
    },
]

```

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```

        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↵',
                    'AssociationId':
↵ 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↵ 'string',
                    'PublicIp': 'string',
                    'PublicIPv6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↵',
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string',
        'VersionInformation': {
            'IsLatest': True|False,
            'Version': 'string'
        },
        'VpnGatewayId': 'string'
    },
]
}
},
'PrivateNetworkInfo': {
    'PrivateNetworkMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'PrivateNetworkMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'RequestId': 'string',
'RouterInfo': {
    'RouterMeasuredRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'RouterMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'SecureNetInfo': {
    'SecureNetMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'VpnConnectMeasuredRateSet': [

```

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```
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'SecurityGroupInfo': {
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'SecurityGroupApplyTime': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'SnapshotInfo': {
    'Snapshot': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'SslCertInfo': {
    'CreateSslCertSet': [
        {
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            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'StorageInfo': {
    'StorageMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'StorageMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'VolumeInfo': {
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```

'ImportInstanceDiskMeasuredRate': {
    'Charge': 123,
    'Type': 'string',
    'Unit': 'string',
    'Value': 123
},
'ImportInstanceDiskMonthlyRate': {
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    'Type': 'string',
    'Unit': 'string',
    'Value': 123
},
'VolumeMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'VolumeSet': [
    {
        'AccountingType': 'string',
        'AttachmentSet': [
            {
                'AttachTime': datetime(2015, 1, 1),
                'DeleteOnTermination': True|False,
                'Device': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
                'Status': 'string',
                'VolumeId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Charge': 123,
        'CreateTime': datetime(2015, 1, 1),
        'DiskType': 'string',
        'NextMonthAccountingType': 'string',
        'Size': 'string',
        'SnapshotId': 'string',
        'Status': 'string',
        'Type': 'string',
        'Unit': 'string',
        'Value': 123,
        'VolumeId': 'string'
    },
]
},
'VpnGatewayInfo': {
    'VpnGatewayMeasuredRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
}

```

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```

    ],
    'VpnGatewayMonthlyRateSet': [
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            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'YearMonth': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **AutoScaleInfo** (*dict*) –
    - \* **AutoScaleCount** (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
    - \* **RunningScaleOutInstanceSet** (*list*) –
      - (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
    - \* **RunningScaleOutOsSet** (*list*) –
      - (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
    - \* **StoppedScaleOutInstanceSet** (*list*) –
      - (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
    - \* **StoppedScaleOutOsSet** (*list*) –
      - (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
  - **ChargeDetailInfo** (*dict*) –
    - \* **ChargeDetail** (*dict*) –
      - **Charge** (*integer*) –
      - **Type** (*string*) –
      - **Unit** (*string*) –
      - **Value** (*integer*) –
  - **CopyInfo** (*dict*) –
    - \* **InstanceCopy** (*dict*) –
      - **Charge** (*integer*) –

- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- \* **Value** (*string*) –
- **ElasticIpInfo** (*dict*) –
  - \* **ElasticIpSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **ElasticLoadBalancerInfo** (*dict*) –
  - \* **Vip** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **VipMeasuredRate** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **ExtraChargeInfo** (*dict*) –
  - \* **ExtraChargeMonthlyRateSet** (*list*) –
    - (*dict*) –
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    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **ImageInfo** (*dict*) –
  - \* **CreateImage** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **KeepImageSet** (*list*) –
    - (*dict*) –
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    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **InstanceInfo** (*dict*) –
  - \* **DynamicIpMeasuredRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **DynamicIpMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –

- \* **InstanceMonthlyRateSet** (*list*) –
  - (*dict*) –
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  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **MultiIpMonthlyRate** (*dict*) –
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  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **OsMeasuredRate** (*list*) –
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  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **OsMonthlyRate** (*list*) –
  - (*dict*) –
  - **Charge** (*integer*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **RunningInstanceMeasuredRateSet** (*list*) –
  - (*dict*) –
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  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **StoppedInstanceMeasuredRateSet** (*list*) –
  - (*dict*) –
  - **Charge** (*integer*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- **InternetVpnInfo** (*dict*) –
  - \* **InternetVpnInitial** (*dict*) –
    - **Charge** (*integer*) –
    - **Value** (*integer*) –
  - \* **InternetVpnMonthlyRateSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
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    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **LicenseInfo** (*dict*) –
  - \* **LicenseMonthlyRateSet** (*list*) –
    - (*dict*) –
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    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **LoadBalancerInfo** (*dict*) –
  - \* **OptionSet** (*list*) –

- *(dict)* –
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- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- \* **VipMeasuredRateSet** (*list*) –
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  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **VipSet** (*list*) –
  - *(dict)* –
  - **Charge** (*integer*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- **MailSendInfo** (*dict*) –
  - \* **MailSendInitial** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **MailSendMeasuredRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **MailSendMonthlyExceedRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **MailSendMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **OptionSet** (*list*) –
    - *(dict)* –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
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- **MultiAccountInfo** (*dict*) –
  - \* **MultiAccount** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **NetworkInfo** (*dict*) –
  - \* **NetworkFlowSet** (*list*) –
    - *(dict)* –
    - **Charge** (*integer*) –

- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- **OptionCommonInfo** (*list*) –
  - \* (*dict*) –
    - **OptionName** (*string*) –
    - **OptionSet** (*list*) –
    - (*dict*) –
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    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **OptionInfo** (*list*) –
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    - **OptionSet** (*list*) –
    - (*dict*) –
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    - **Unit** (*string*) –
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- **OsOptionChargeInfo** (*dict*) –
  - \* **OsOptionChargeMonthlyRateSet** (*list*) –
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    - **Unit** (*string*) –
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  - \* **PatternAuthSet** (*list*) –
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    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **PremiumSupportInfo** (*dict*) –
  - \* **PremiumSupportSet** (*list*) –
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    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **PrivateLanInfo** (*dict*) –
  - \* **PrivateLan** (*dict*) –
    - **AccountingType** (*string*) –
    - **AvailabilityZone** (*string*) –
    - **Charge** (*integer*) –
    - **CidrBlock** (*string*) –
    - **CreatedTime** (*datetime*) –
    - **Description** (*string*) –
    - **InstancesSet** (*list*) –
    - (*dict*) –
    - **AccountingType** (*string*) –



- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –

- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –

- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **PrivateLanId** (*string*) –
- **PrivateLanName** (*string*) –
- **RouterSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- **VpnGatewaySet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
- **BackupInformation** (*dict*) –
- **ExpirationDate** (*datetime*) –
- **IsBackup** (*boolean*) –
- **CreatedTime** (*datetime*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –

- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- *(dict)* –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- *(dict)* –
- **Association** (*dict*) –
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- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –

- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –
- **PrivateNetworkInfo** (*dict*) –
  - \* **PrivateNetworkMeasuredRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **PrivateNetworkMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **RequestId** (*string*) –
- **RouterInfo** (*dict*) –
  - \* **RouterMeasuredRateSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **RouterMonthlyRateSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **SecureNetInfo** (*dict*) –
  - \* **SecureNetMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –

- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- \* **VpnConnectMeasuredRateSet** (*list*) –
  - (*dict*) –
  - **Charge** (*integer*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- **SecurityGroupInfo** (*dict*) –
  - \* **OptionSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **SecurityGroupApplyTime** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **SnapshotInfo** (*dict*) –
  - \* **Snapshot** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **SslCertInfo** (*dict*) –
  - \* **CreateSslCertSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **StorageInfo** (*dict*) –
  - \* **StorageMeasuredRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **StorageMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **VolumeInfo** (*dict*) –
  - \* **ImportInstanceDiskMeasuredRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **ImportInstanceDiskMonthlyRate** (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –



- **Unit** (*string*) –
- **Value** (*integer*) –
- \* **VolumeMeasuredRateSet** (*list*) –
  - (*dict*) –
  - **Charge** (*integer*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
- \* **VolumeSet** (*list*) –
  - (*dict*) –
  - **AccountingType** (*string*) –
  - **AttachmentSet** (*list*) –
  - (*dict*) –
  - **AttachTime** (*datetime*) –
  - **DeleteOnTermination** (*boolean*) –
  - **Device** (*string*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
  - **Status** (*string*) –
  - **VolumeId** (*string*) –
  - **AvailabilityZone** (*string*) –
  - **Charge** (*integer*) –
  - **CreateTime** (*datetime*) –
  - **DiskType** (*string*) –
  - **NextMonthAccountingType** (*string*) –
  - **Size** (*string*) –
  - **SnapshotId** (*string*) –
  - **Status** (*string*) –
  - **Type** (*string*) –
  - **Unit** (*string*) –
  - **Value** (*integer*) –
  - **VolumeId** (*string*) –
- **VpnGatewayInfo** (*dict*) –
  - \* **VpnGatewayMeasuredRateSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
  - \* **VpnGatewayMonthlyRateSet** (*list*) –
    - (*dict*) –
    - **Charge** (*integer*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
- **YearMonth** (*string*) –

**describe\_user\_activities** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_user_activities(
    Range={
        'All': True|False,
```

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```

        'EndNumber': 123,
        'StartNumber': 123
    },
    YearMonth='string'
)

```

**Parameters**

- **Range** (*dict*) –
  - **All** (*boolean*) –
  - **EndNumber** (*integer*) –
  - **StartNumber** (*integer*) –
- **YearMonth** (*string*) –

Return type *dict***Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'UserActivitiesSet': [
        {
            'CategoryName': 'string',
            'DateTime': datetime(2015, 1, 1),
            'IpAddress': 'string',
            'Operation': 'string',
            'Operator': 'string',
            'Result': True|False
        },
    ],
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **UserActivitiesSet** (*list*) –
    - \* (*dict*) –
      - **CategoryName** (*string*) –
      - **DateTime** (*datetime*) –
      - **IpAddress** (*string*) –
      - **Operation** (*string*) –
      - **Operator** (*string*) –
      - **Result** (*boolean*) –

**describe\_volumes** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_volumes(
    VolumeId=[
        'string',
    ]
)

```

**Parameters** **VolumeId** (*list*) –

- (*string*) –

Return type *dict*

## Returns

### Response Syntax

```

{
  'RequestId': 'string',
  'VolumeSet': [
    {
      'AccountingType': 'string',
      'AttachmentSet': [
        {
          'AttachTime': datetime(2015, 1, 1),
          'DeleteOnTermination': True|False,
          'Device': 'string',
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'Status': 'string',
          'VolumeId': 'string'
        },
      ],
      'AvailabilityZone': 'string',
      'Charge': 123,
      'CreateTime': datetime(2015, 1, 1),
      'DiskType': 'string',
      'NextMonthAccountingType': 'string',
      'Size': 'string',
      'SnapshotId': 'string',
      'Status': 'string',
      'Type': 'string',
      'Unit': 'string',
      'Value': 123,
      'VolumeId': 'string'
    },
  ],
}

```

### Response Structure

- (dict) –
  - **RequestId** (string) –
  - **VolumeSet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **AttachmentSet** (list) –
        - (dict) –
        - **AttachTime** (datetime) –
        - **DeleteOnTermination** (boolean) –
        - **Device** (string) –
        - **InstanceId** (string) –
        - **InstanceUniqueId** (string) –
        - **Status** (string) –
        - **VolumeId** (string) –
      - **AvailabilityZone** (string) –
      - **Charge** (integer) –
      - **CreateTime** (datetime) –
      - **DiskType** (string) –
      - **NextMonthAccountingType** (string) –
      - **Size** (string) –

- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- **VolumeId** (*string*) –

**describe\_vpn\_connections** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_vpn_connections(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    VpnConnectionId=[
        'string',
    ]
)
```

#### Parameters

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **VpnConnectionId** (*list*) –
  - (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
  'RequestId': 'string',
  'VpnConnectionSet': [
    {
      'CreatedTime': datetime(2015, 1, 1),
      'CustomerGatewayConfiguration': 'string',
      'CustomerGatewayId': 'string',
      'NiftyCustomerGatewayName': 'string',
      'NiftyIpsecConfiguration': {
        'EncryptionAlgorithm': 'string',
        'HashingAlgorithm': 'string',
        'InternetKeyExchange': 'string',
        'MtU': 'string',
        'PreSharedKey': 'string'
      },
      'NiftyTunnel': {
        'DestinationPort': 'string',
        'Encapsulation': 'string',
        'Mode': 'string',

```

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```

        'PeerSessionId': 'string',
        'PeerTunnelId': 'string',
        'SessionId': 'string',
        'SourcePort': 'string',
        'TunnelId': 'string',
        'Type': 'string'
    },
    'NiftyVpnConnectionDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'Options': {
        'StaticRoutesOnly': True|False
    },
    'Routes': {
        'DestinationCidrBlock': 'string',
        'Source': 'string',
        'State': 'string'
    },
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'Type': 'string',
    'VgwTelemetry': [
        {
            'AcceptedRouteCount': 123,
            'LastStatusChange': datetime(2015, 1, 1),
            'OutsideIpAddress': 'string',
            'Status': 'string',
            'StatusMessage': 'string'
        },
    ],
    'VpnConnectionId': 'string',
    'VpnGatewayId': 'string'
},
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **VpnConnectionSet** (*list*) –
    - \* *(dict)* –
      - **CreatedTime** (*datetime*) –
      - **CustomerGatewayConfiguration** (*string*) –
      - **CustomerGatewayId** (*string*) –
      - **NiftyCustomerGatewayName** (*string*) –
      - **NiftyIpsecConfiguration** (*dict*) –
      - **EncryptionAlgorithm** (*string*) –
      - **HashingAlgorithm** (*string*) –
      - **InternetKeyExchange** (*string*) –
      - **Mtu** (*string*) –
      - **PreSharedKey** (*string*) –
      - **NiftyTunnel** (*dict*) –

- **DestinationPort** (*string*) –
- **Encapsulation** (*string*) –
- **Mode** (*string*) –
- **PeerSessionId** (*string*) –
- **PeerTunnelId** (*string*) –
- **SessionId** (*string*) –
- **SourcePort** (*string*) –
- **TunnelId** (*string*) –
- **Type** (*string*) –
- **NiftyVpnConnectionDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **Options** (*dict*) –
- **StaticRoutesOnly** (*boolean*) –
- **Routes** (*dict*) –
- **DestinationCidrBlock** (*string*) –
- **Source** (*string*) –
- **State** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VgwTelemetry** (*list*) –
- (*dict*) –
- **AcceptedRouteCount** (*integer*) –
- **LastStatusChange** (*datetime*) –
- **OutsideIpAddress** (*string*) –
- **Status** (*string*) –
- **StatusMessage** (*string*) –
- **VpnConnectionId** (*string*) –
- **VpnGatewayId** (*string*) –

**describe\_vpn\_gateways** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_vpn_gateways(  
    Filter=[  
        {  
            'Name': 'string',  
            'RequestValue': [  
                'string',  
            ]  
        },  
    ],  
    NiftyVpnGatewayName=[  
        'string',  
    ],  
    VpnGatewayId=[  
        'string',  
    ]  
)
```

### Parameters

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **NiftyVpnGatewayName** (*list*) –
  - (*string*) –
- **VpnGatewayId** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'RequestId': 'string',
  'VpnGatewaySet': [
    {
      'AccountingType': 'string',
      'Attachments': [
        {
          'State': 'string',
          'VpcId': 'string'
        },
      ],
      'AvailabilityZone': 'string',
      'BackupInformation': {
        'ExpirationDate': datetime(2015, 1, 1),
        'IsBackup': True|False
      },
      'CreatedTime': datetime(2015, 1, 1),
      'DeviceIndex': 123,
      'GroupSet': [
        {
          'GroupId': 'string'
        },
      ],
      'IpAddress': 'string',
      'NetworkInterfaceSet': [
        {
          'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
          },
          'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
          }
        }
      ]
    }
  ]
}
```

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```

    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'

```

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```

    },
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    },
    'VpnGatewayId': 'string'
},
]
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **VpnGatewaySet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **Attachments** (list) –
      - (dict) –
      - **State** (string) –
      - **VpcId** (string) –
      - **AvailabilityZone** (string) –
      - **BackupInformation** (dict) –
      - **ExpirationDate** (datetime) –
      - **IsBackup** (boolean) –
      - **CreatedTime** (datetime) –
      - **DeviceIndex** (integer) –
      - **GroupSet** (list) –
      - (dict) –
      - **GroupId** (string) –
      - **IpAddress** (string) –
      - **NetworkInterfaceSet** (list) –
      - (dict) –
      - **Association** (dict) –
      - **AllocationId** (string) –
      - **AssociationId** (string) –
      - **IpOwnerId** (string) –
      - **PublicDnsName** (string) –
      - **PublicIp** (string) –
      - **PublicIpV6** (string) –
      - **Attachment** (dict) –

- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –

- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

**detach\_network\_interface** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.detach_network_interface(
    AttachmentId='string',
    NiftyReboot='string'
)
```

#### Parameters

- **AttachmentId** (*string*) –
- **NiftyReboot** (*string*) –

Return type: dict

#### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**detach\_volume** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.detach_volume(
    Agreement=True|False,
    InstanceId='string',
    VolumeId='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **InstanceId** (*string*) –
- **VolumeId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'AttachTime': datetime(2015, 1, 1),
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **AttachTime** (*datetime*) –
  - **Device** (*string*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
  - **RequestId** (*string*) –
  - **Status** (*string*) –
  - **VolumeId** (*string*) –

**disassociate\_address** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.disassociate_address(
    NiftyReboot='string',
    PrivateIpAddress='string',
    PublicIp='string'
)
```

#### Parameters

- **NiftyReboot** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**disassociate\_route\_table** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.disassociate_route_table(
    Agreement=True|False,
    AssociationId='string'
)
```

### Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**dissociate\_users** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.dissociate_users(
    FunctionName='string',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)
```

### Parameters

- **FunctionName** (*string*) –
- **Users** (*list*) –
  - (*dict*) –
    - \* **UserId** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
    'DissociateUsersResult': {'... recursive ...'},
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'Users': [
```

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```

    {
        'UserId': 'string'
    },
]
}

```

**Response Structure**

- *(dict)* –
  - **DissociateUsersResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –
  - **Users** (*list*) –
    - \* (*dict*) –
      - **UserId** (*string*) –

**download\_ssl\_certificate** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.download_ssl_certificate(
    FileType='string',
    FqdnId='string'
)

```

**Parameters**

- **FileType** (*string*) –
- **FqdnId** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'FileData': 'string',
    'Fqdn': 'string',
    'FqdnId': 'string',
    'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **FileData** (*string*) –
  - **Fqdn** (*string*) –
  - **FqdnId** (*string*) –
  - **RequestId** (*string*) –

**generate\_presigned\_url** (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

**Parameters**

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to *ClientMethod*.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

**Returns** The presigned url

**get\_paginator** (*operation\_name*)

Create a paginator for an operation.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Raises** **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

**Return type** L{botocore.paginate.Paginator}

**Returns** A paginator object.

**get\_waiter** (*waiter\_name*)

Returns an object that can wait for some condition.

**Parameters** **waiter\_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

**Returns** The specified waiter object.

**Return type** botocore.waiter.Waiter

**import\_instance** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.import_instance(
    AccountingType='string',
    Description='string',
    InstanceId='string',
    InstanceType='string',
    IpType='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    Ovf='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    PublicIp='string',
    SecurityGroup=[
        'string',
    ]
)
```

### Parameters

- **AccountingType** (*string*) –
- **Description** (*string*) –
- **InstanceId** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –
- **Ovf** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
- **PublicIp** (*string*) –
- **SecurityGroup** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'ConversionTask': {
    'ConversionTaskId': 'string',
    'ExpirationTime': 'string',
    'ImportInstance': {
      'AvailabilityZone': 'string',
      'Description': 'string',
      'Image': {
        'Checksum': 123,
        'Format': 'string',
        'ImportManifestUrl': 'string',
        'Size': 123
      },
    },
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'Platform': 'string',
    'Volumes': [
      {
        'AvailabilityZone': 'string',
        'BytesConverted': 123,
        'Description': 'string',
        'Image': {
          'Checksum': 123,
          'Format': 'string',
          'ImportManifestUrl': 'string',
          'Size': 123
        },
      },
    ],
  },
}
```

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```

        'Status': 'string',
        'StatusMessage': 'string',
        'Volume': {
            'Id': 'string',
            'Size': 123
        }
    },
]
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',

```

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```

        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'State': 'string',
'StatusMessage': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
]
}
}

```

**Response Structure**

- (dict) –
  - **ConversionTask** (dict) –
    - \* **ConversionTaskId** (string) –
    - \* **ExpirationTime** (string) –
    - \* **ImportInstance** (dict) –
      - **AvailabilityZone** (string) –
      - **Description** (string) –
      - **Image** (dict) –
      - **Checksum** (integer) –
      - **Format** (string) –
      - **ImportManifestUrl** (string) –
      - **Size** (integer) –
      - **InstanceId** (string) –
      - **InstanceUniqueId** (string) –

- **Platform** (*string*) –
- **Volumes** (*list*) –
- (*dict*) –
- **AvailabilityZone** (*string*) –
- **BytesConverted** (*integer*) –
- **Description** (*string*) –
- **Image** (*dict*) –
- **Checksum** (*integer*) –
- **Format** (*string*) –
- **ImportManifestUrl** (*string*) –
- **Size** (*integer*) –
- **Status** (*string*) –
- **StatusMessage** (*string*) –
- **Volume** (*dict*) –
- **Id** (*string*) –
- **Size** (*integer*) –
- \* **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –

- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- \* **State** (*string*) –
- \* **StatusMessage** (*string*) –
- \* **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –

```
import_key_pair (**kwargs)
```

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.import_key_pair(
    Description='string',
    KeyName='string',
    PublicKeyMaterial='string'
)
```

### Parameters

- **Description** (*string*) –
- **KeyName** (*string*) –
- **PublicKeyMaterial** (*string*) –

Return type dict

### Returns

#### Response Syntax

```
{
    'KeyFingerprint': 'string',
```

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```

    'KeyName': 'string',
    'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **KeyFingerprint** (*string*) –
  - **KeyName** (*string*) –
  - **RequestId** (*string*) –

**modify\_image\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.modify_image_attribute(
    Attribute='string',
    ImageId='string',
    Value='string'
)

```

**Parameters**

- **Attribute** (*string*) –
- **ImageId** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –

**modify\_instance\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.modify_instance_attribute(
    Attribute='string',
    Force=True|False,
    InstanceId='string',
    NiftyReboot='string',
    Tenancy='string',
    Value='string'
)

```

**Parameters**

- **Attribute** (*string*) –
- **Force** (*boolean*) –
- **InstanceId** (*string*) –
- **NiftyReboot** (*string*) –

- **Tenancy** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**modify\_network\_interface\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.modify_network_interface_attribute(
    Description='string',
    IpAddress='string',
    NetworkInterfaceId='string'
)
```

#### Parameters

- **Description** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**modify\_ssl\_certificate\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.modify_ssl_certificate_attribute(
    Description={
        'Value': 'string'
    },
    FqdnId='string'
)
```

**Parameters**

- **Description** (*dict*) –
  - **Value** (*string*) –
- **FqdnId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**modify\_volume\_attribute** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.modify_volume_attribute(
    Attribute='string',
    Value='string',
    VolumeId='string'
)
```

**Parameters**

- **Attribute** (*string*) –
- **Value** (*string*) –
- **VolumeId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_associate\_image** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_associate_image(
    DistributionId=[
        'string',
    ],
```

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```

ImageId='string',
IsPublic=True|False,
IsRedistribute=True|False
)

```

**Parameters**

- **DistributionId** (*list*) –  
– (*string*) –
- **ImageId** (*string*) –
- **IsPublic** (*boolean*) –
- **IsRedistribute** (*boolean*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –  
– **RequestId** (*string*) –  
– **Return** (*boolean*) –

**nifty\_associate\_nat\_table** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_associate_nat_table(
    Agreement=True|False,
    NatTableId='string',
    RouterId='string',
    RouterName='string'
)

```

**Parameters**

- **Agreement** (*boolean*) –
- **NatTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'AssociationId': 'string',
    'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –  
– **AssociationId** (*string*) –  
– **RequestId** (*string*) –



**nifty\_associate\_route\_table\_with\_vpn\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_associate_route_table_with_vpn_gateway(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    RouteTableId='string',
    VpnGatewayId='string'
)
```

### Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **RouteTableId** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

### Returns

#### Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **AssociationId** (*string*) –
  - **RequestId** (*string*) –

**nifty\_configure\_elastic\_load\_balancer\_health\_check** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_configure_elastic_load_balancer_health_check(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    HealthCheck={
        'Interval': 123,
        'Target': 'string',
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
    Protocol='string'
)
```

### Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **HealthCheck** (*dict*) –
  - **Interval** (*integer*) –
  - **Target** (*string*) –
  - **UnhealthyThreshold** (*integer*) –

- **InstancePort** (*integer*) –
- **Protocol** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
      {
        'Description': 'string',
        'InstanceId': 'string',
        'InstanceUniqueId': 'string',
        'ReasonCode': 'string',
        'State': 'string'
      },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
  },
  'NiftyConfigureElasticLoadBalancerHealthCheckResult': {'...
↪ recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **HealthCheck** (*dict*) –
    - \* **HealthyThreshold** (*integer*) –
    - \* **InstanceStates** (*list*) –
      - (*dict*) –
      - **Description** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **ReasonCode** (*string*) –
      - **State** (*string*) –
    - \* **Interval** (*integer*) –
    - \* **Target** (*string*) –
    - \* **Timeout** (*integer*) –
    - \* **UnhealthyThreshold** (*integer*) –
  - **NiftyConfigureElasticLoadBalancerHealthCheckResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_create\_alarm** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_create_alarm(
    AlarmCondition='string',
```

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```

Description='string',
ElasticLoadBalancerName=[
    'string',
],
ElasticLoadBalancerPort=[
    123,
],
ElasticLoadBalancerProtocol=[
    'string',
],
EmailAddress=[
    'string',
],
FunctionName='string',
InstanceId=[
    'string',
],
LoadBalancerName=[
    'string',
],
LoadBalancerPort=[
    123,
],
Partition=[
    'string',
],
Rule=[
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'FromDate': 'string',
        'FunctionName': 'string',
        'RuleName': 'string',
        'Threshold': 123.0,
        'ToDate': 'string',
        'UpperLowerCondition': 'string'
    },
],
RuleName='string',
Zone='string'
)

```

**Parameters**

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –  
– (*string*) –
- **ElasticLoadBalancerPort** (*list*) –  
– (*integer*) –
- **ElasticLoadBalancerProtocol** (*list*) –  
– (*string*) –
- **EmailAddress** (*list*) –  
– (*string*) –
- **FunctionName** (*string*) –
- **InstanceId** (*list*) –  
– (*string*) –

- **LoadBalancerName** (*list*) –  
– (*string*) –
- **LoadBalancerPort** (*list*) –  
– (*integer*) –
- **Partition** (*list*) –  
– (*string*) –
- **Rule** (*list*) –  
– (*dict*) –
  - \* **BreachDuration** (*integer*) –
  - \* **DataType** (*string*) –
  - \* **FromDate** (*string*) –
  - \* **FunctionName** (*string*) –
  - \* **RuleName** (*string*) –
  - \* **Threshold** (*float*) –
  - \* **ToDate** (*string*) –
  - \* **UpperLowerCondition** (*string*) –
- **RuleName** (*string*) –
- **Zone** (*string*) –

Return type dict

Returns

#### Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_create\_auto\_scaling\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_create_auto_scaling_group(
    AutoScalingGroupName='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='string',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
```

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```

ScaleoutCondition='string',
ScalingSchedule=[
    {
        'RequestDDayStruct': {
            'EndingDDay': 'string',
            'StartingDDay': 'string'
        },
        'RequestDayStruct': {
            'SetFriday': 'string',
            'SetMonday': 'string',
            'SetSaturday': 'string',
            'SetSunday': 'string',
            'SetThursday': 'string',
            'SetTuesday': 'string',
            'SetWednesday': 'string'
        },
        'RequestMonthStruct': {
            'EndingMonth': 'string',
            'StartingMonth': 'string'
        },
        'RequestTimeZoneStruct': {
            'EndingTimeZone': 'string',
            'StartingTimeZone': 'string'
        }
    },
],
ScalingTrigger=[
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
SecurityGroup=[
    'string',
]
)

```

### Parameters

- **AutoScalingGroupName** (*string*) –
- **ChangeInCapacity** (*integer*) –
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) –
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
  - (*dict*) –
  - \* **InstancePort** (*integer*) –
  - \* **LoadBalancerName** (*string*) –
  - \* **LoadBalancerPort** (*integer*) –
  - \* **Name** (*string*) –
- **MaxSize** (*integer*) –
- **MinSize** (*integer*) –
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) –

- **ScalingSchedule** (*list*) –
  - (*dict*) –
    - \* **RequestDDayStruct** (*dict*) –
      - **EndingDDay** (*string*) –
      - **StartingDDay** (*string*) –
    - \* **RequestDayStruct** (*dict*) –
      - **SetFriday** (*string*) –
      - **SetMonday** (*string*) –
      - **SetSaturday** (*string*) –
      - **SetSunday** (*string*) –
      - **SetThursday** (*string*) –
      - **SetTuesday** (*string*) –
      - **SetWednesday** (*string*) –
    - \* **RequestMonthStruct** (*dict*) –
      - **EndingMonth** (*string*) –
      - **StartingMonth** (*string*) –
    - \* **RequestTimeZoneStruct** (*dict*) –
      - **EndingTimeZone** (*string*) –
      - **StartingTimeZone** (*string*) –
- **ScalingTrigger** (*list*) –
  - (*dict*) –
    - \* **BreachDuration** (*integer*) –
    - \* **Resource** (*string*) –
    - \* **UpperThreshold** (*float*) –
- **SecurityGroup** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_create\_dhcp\_config()**

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_create_dhcp_config()
```

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DhcpConfig': {
    'DhcpConfigId': 'string',
```

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```

    'IpAddressPoolsSet': [
        {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
        },
    ],
    'StaticMappingsSet': [
        {
            'Description': 'string',
            'IpAddress': 'string',
            'MacAddress': 'string'
        },
    ],
    'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **DhcpConfig** (*dict*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **IpAddressPoolsSet** (*list*) –
      - *(dict)* –
      - **Description** (*string*) –
      - **StartIpAddress** (*string*) –
      - **StopIpAddress** (*string*) –
    - \* **StaticMappingsSet** (*list*) –
      - *(dict)* –
      - **Description** (*string*) –
      - **IpAddress** (*string*) –
      - **MacAddress** (*string*) –
  - **RequestId** (*string*) –

`nifty_create_dhcp_ip_address_pool` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_create_dhcp_ip_address_pool(
    Description='string',
    DhcpConfigId='string',
    StartIpAddress='string',
    StopIpAddress='string'
)

```

**Parameters**

- **Description** (*string*) –
- **DhcpConfigId** (*string*) –
- **StartIpAddress** (*string*) –
- **StopIpAddress** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **Return** (boolean) –

**nifty\_create\_dhcp\_static\_mapping** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_dhcp_static_mapping(
    Description='string',
    DhcpConfigId='string',
    IpAddress='string',
    MacAddress='string'
)
```

**Parameters**

- **Description** (string) –
- **DhcpConfigId** (string) –
- **IpAddress** (string) –
- **MacAddress** (string) –

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **Return** (boolean) –

**nifty\_create\_elastic\_load\_balancer** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_elastic_load_balancer(
    AccountingType='string',
    AvailabilityZones=[
        'string',
    ],
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
```

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```

        'InstancePort': 123,
        'LoadBalancerPort': 123,
        'Protocol': 'string',
        'RequestHealthCheckStruct': {
            'Interval': 123,
            'Target': 'string',
            'UnhealthyThreshold': 123
        },
        'RequestInstances': [
            {
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ],
        'RequestSessionStruct': {
            'RequestStickinessPolicyStruct': {
                'Enable': True|False,
                'ExpirationPeriod': 123,
                'Method': 'string'
            }
        },
        'RequestSorryPageStruct': {
            'Enable': True|False,
            'RedirectUrl': 'string'
        },
        'SSLCertificateId': 'string'
    },
],
NetworkInterface=[
    {
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpConfigId': 'string',
        'DhcpOptionsId': 'string',
        'IpAddress': 'string',
        'IsVipNetwork': True|False,
        'NetworkId': 'string',
        'NetworkName': 'string',
        'RequestSecurityGroupId': [
            'string',
        ]
    }
],
NetworkVolume=123
)

```

**Parameters**

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) –
  - (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) –
  - (*dict*) –
    - \* **BalancingType** (*string*) –
    - \* **Description** (*string*) –
    - \* **ElasticLoadBalancerPort** (*integer*) –

- \* **InstancePort** (*integer*) –
- \* **LoadBalancerPort** (*integer*) –
- \* **Protocol** (*string*) –
- \* **RequestHealthCheckStruct** (*dict*) –
  - **Interval** (*integer*) –
  - **Target** (*string*) –
  - **UnhealthyThreshold** (*integer*) –
- \* **RequestInstances** (*list*) –
  - (*dict*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
- \* **RequestSessionStruct** (*dict*) –
  - **RequestStickinessPolicyStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **ExpirationPeriod** (*integer*) –
  - **Method** (*string*) –
- \* **RequestSorryPageStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **RedirectUrl** (*string*) –
- \* **SSLCertificateId** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –
- **NetworkVolume** (*integer*) –

Return type dict

Returns

### Response Syntax

```
{
  'DNSName': 'string',
  'NiftyCreateElasticLoadBalancerResult': {'... recursive ...
  ↪ },
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **DNSName** (*string*) –
  - **NiftyCreateElasticLoadBalancerResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

`nifty_create_instance_snapshot` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_create_instance_snapshot(
    Description='string',
    InstanceId='string',
    SnapshotName='string'
)
```

#### Parameters

- **Description** (*string*) –
- **InstanceId** (*string*) –
- **SnapshotName** (*string*) –

Return type dict

#### Returns

#### Response Syntax

```
{
  'InstanceSet': [
    {
      'InstanceId': 'string',
      'InstanceState': 'string',
      'InstanceUniqueId': 'string'
    },
  ],
  'RequestId': 'string',
  'SnapshotName': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **InstanceSet** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceState** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **RequestId** (*string*) –
  - **SnapshotName** (*string*) –

**nifty\_create\_nat\_rule** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_create_nat_rule(
    Description='string',
    Destination={
      'Port': 123
    },
    InboundInterface={
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    NatTableId='string',
    NatType='string',
    OutboundInterface={
      'NetworkId': 'string',
      'NetworkName': 'string'
    }
)
```

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```

    },
    Protocol='string',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
}
)

```

**Parameters**

- **Description** (*string*) –
- **Destination** (*dict*) –
  - **Port** (*integer*) –
- **InboundInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **OutboundInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **Protocol** (*string*) –
- **RuleNumber** (*string*) –
- **Source** (*dict*) –
  - **Address** (*string*) –
  - **Port** (*integer*) –
- **Translation** (*dict*) –
  - **Address** (*string*) –
  - **Port** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'NatRule': {
    'Description': 'string',
    'Destination': {
      'Address': 'string',
      'Port': 123
    },
    'InboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'NatType': 'string',
    'OutboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Protocol': 'string',
  }
}

```

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```

    'RuleNumber': 'string',
    'Source': {
        'Address': 'string',
        'Port': 123
    },
    'Translation': {
        'Address': 'string',
        'Port': 123
    }
},
'NatTableId': 'string',
'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **NatRule** (*dict*) –
    - \* **Description** (*string*) –
    - \* **Destination** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
    - \* **InboundInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
    - \* **NatType** (*string*) –
    - \* **OutboundInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
    - \* **Protocol** (*string*) –
    - \* **RuleNumber** (*string*) –
    - \* **Source** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
    - \* **Translation** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
  - **NatTableId** (*string*) –
  - **RequestId** (*string*) –

**nifty\_create\_nat\_table()**See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_nat_table()
```

**Return type** dict**Returns****Response Syntax**

```

{
    'NatTable': {
        'NatTableId': 'string',
        'TagSet': [

```

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```

        {
            'Key': 'string',
            'Value': 'string'
        },
    ]
},
'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **NatTable** (*dict*) –
    - \* **NatTableId** (*string*) –
    - \* **TagSet** (*list*) –
      - (*dict*) –
      - **Key** (*string*) –
      - **Value** (*string*) –
  - **RequestId** (*string*) –

**nifty\_create\_private\_lan** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_create_private_lan(
    AccountingType='string',
    AvailabilityZone='string',
    CidrBlock='string',
    Description='string',
    PrivateLanName='string'
)

```

**Parameters**

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Description** (*string*) –
- **PrivateLanName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
  'PrivateLan': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'Charge': 123,
    'CidrBlock': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'InstancesSet': [
      {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',

```

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```

'Architecture': 'string',
'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
},
'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},

```

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```

'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',

```

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```

        'RegionName': 'string',
        'RootDeviceName': 'string',
        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'PrivateLanId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descripion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',

```

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```

'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    },
],
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'Unit': 'string',
'Value': 123,
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        },
        'CreatedTime': datetime(2015, 1, 1),
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1, 1),
                    'AttachmentID': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': True|False,
                    'DeviceIndex': 123,

```

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```

        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ]

```

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```

        },
        ],
        'VpcId': 'string'
    },
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    ],
    'VpnGatewayId': 'string'
},
],
],
},
},
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **PrivateLan** (dict) –
    - \* **AccountingType** (string) –
    - \* **AvailabilityZone** (string) –
    - \* **Charge** (integer) –
    - \* **CidrBlock** (string) –
    - \* **CreatedTime** (datetime) –
    - \* **Description** (string) –
    - \* **InstancesSet** (list) –
      - (dict) –
      - **AccountingType** (string) –
      - **Admin** (string) –
      - **AmiLaunchIndex** (string) –
      - **Architecture** (string) –
      - **Autoscaling** (dict) –
      - **AutoScalingGroupName** (string) –
      - **ExpireTime** (datetime) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –
      - **DeleteOnTermination** (boolean) –
      - **SnapshotId** (string) –

- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –



- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- \* **PrivateLanId** (*string*) –
- \* **PrivateLanName** (*string*) –
- \* **RouterSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –

- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –

- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- \* **State** (*string*) –
- \* **TagSet** (*list*) –
  - *(dict)* –
  - **Key** (*string*) –
  - **Value** (*string*) –
- \* **Type** (*string*) –
- \* **Unit** (*string*) –
- \* **Value** (*integer*) –
- \* **VpnGatewaySet** (*list*) –
  - *(dict)* –
  - **AccountingType** (*string*) –
  - **Attachments** (*list*) –
  - *(dict)* –
  - **State** (*string*) –
  - **VpcId** (*string*) –
  - **AvailabilityZone** (*string*) –
  - **BackupInformation** (*dict*) –
  - **ExpirationDate** (*datetime*) –
  - **IsBackup** (*boolean*) –
  - **CreatedTime** (*datetime*) –
  - **DeviceIndex** (*integer*) –
  - **GroupSet** (*list*) –
  - *(dict)* –
  - **GroupId** (*string*) –
  - **IpAddress** (*string*) –
  - **NetworkInterfaceSet** (*list*) –
  - *(dict)* –
  - **Association** (*dict*) –
  - **AllocationId** (*string*) –
  - **AssociationId** (*string*) –
  - **IpOwnerId** (*string*) –
  - **PublicDnsName** (*string*) –
  - **PublicIp** (*string*) –
  - **PublicIpV6** (*string*) –
  - **Attachment** (*dict*) –
  - **AttachTime** (*datetime*) –
  - **AttachmentID** (*string*) –
  - **AttachmentId** (*string*) –
  - **DeleteOnTermination** (*boolean*) –

- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –

- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –
- **RequestId** (*string*) –

**nifty\_create\_router** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_create_router(
    AccountingType='string',
    AvailabilityZone='string',
    Description='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    RouterName='string',
    SecurityGroup=[
        'string',
    ],
    Type='string'
)
```

### Parameters

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **Description** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
  - \* **DeviceIndex** (*integer*) –
  - \* **Dhcp** (*boolean*) –
  - \* **DhcpConfigId** (*string*) –
  - \* **DhcpOptionsId** (*string*) –
  - \* **IpAddress** (*string*) –

- \* **IsVipNetwork** (*boolean*) –
- \* **NetworkId** (*string*) –
- \* **NetworkName** (*string*) –
- \* **RequestSecurityGroupId** (*list*) –
  - (*string*) –
- **RouterName** (*string*) –
- **SecurityGroup** (*list*) –
  - (*string*) –
- **Type** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'RequestId': 'string',
  'Router': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'BackupInformation': {
      'ExpirationDate': datetime(2015, 1, 1),
      'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'NatTableAssociationId': 'string',
    'NatTableId': 'string',
    'NetworkInterfaceSet': [
      {
        'Association': {
          'AllocationId': 'string',
          'AssociationId': 'string',
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        },
        'Attachment': {
          'AttachTime': datetime(2015, 1, 1),
          'AttachmentID': 'string',
          'AttachmentId': 'string',
          'DeleteOnTermination': True|False,
          'DeviceIndex': 123,
          'InstanceId': 'string',
          'InstanceOwnerId': 'string',
          'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
          {
            'GroupId': 'string'
          }
        ]
      }
    ]
  }
}
```

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```

    },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',

```

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```

        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
}
}
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **Router** (dict) –
    - \* **AccountingType** (string) –
    - \* **AvailabilityZone** (string) –
    - \* **BackupInformation** (dict) –
      - **ExpirationDate** (datetime) –
      - **IsBackup** (boolean) –
    - \* **CreatedTime** (datetime) –
    - \* **Description** (string) –
    - \* **NatTableAssociationId** (string) –
    - \* **NatTableId** (string) –
    - \* **NetworkInterfaceSet** (list) –
      - (dict) –
      - **Association** (dict) –
      - **AllocationId** (string) –
      - **AssociationId** (string) –
      - **IpOwnerId** (string) –
      - **PublicDnsName** (string) –
      - **PublicIp** (string) –
      - **PublicIpV6** (string) –
      - **Attachment** (dict) –
      - **AttachTime** (datetime) –
      - **AttachmentID** (string) –
      - **AttachmentId** (string) –
      - **DeleteOnTermination** (boolean) –
      - **DeviceIndex** (integer) –
      - **InstanceId** (string) –
      - **InstanceOwnerId** (string) –
      - **Status** (string) –
      - **AvailabilityZone** (string) –
      - **CidrBlock** (string) –
      - **Descripriion** (string) –
      - **Description** (string) –
      - **DeviceIndex** (integer) –
      - **Dhcp** (boolean) –
      - **DhcpOptionsId** (string) –
      - **GroupSet** (list) –
      - (dict) –
      - **GroupId** (string) –
      - **InterfaceType** (string) –



- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- \* **NextMonthAccountingType** (*string*) –
- \* **RouteTableAssociationId** (*string*) –
- \* **RouteTableId** (*string*) –
- \* **RouterId** (*string*) –
- \* **RouterName** (*string*) –
- \* **State** (*string*) –
- \* **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- \* **Type** (*string*) –
- \* **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –

`nifty_create_separate_instance_rule` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_create_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    SeparateInstanceRuleDescription='string',
    SeparateInstanceRuleName='string'
)

```

**Parameters**

- **InstanceId** (*list*) –
  - (*string*) –
- **InstanceUniqueId** (*list*) –
  - (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
- **SeparateInstanceRuleDescription** (*string*) –
- **SeparateInstanceRuleName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*string*) –

**nifty\_create\_web\_proxy** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_create_web_proxy(
    Agreement=True | False,
    BypassInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    Description='string',
    ListenInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    ListenPort='string',
)

```

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```

Option={
    'NameServer': 'string'
},
RouterId='string',
RouterName='string'
)

```

**Parameters**

- **Agreement** (*boolean*) –
- **BypassInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **Description** (*string*) –
- **ListenInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **ListenPort** (*string*) –
- **Option** (*dict*) –
  - **NameServer** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'WebProxy': {
    'BypassInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Description': 'string',
    'ListenInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'ListenPort': 'string',
    'Option': {
      'MobileFilter': {
        'Enabled': True|False
      },
      'NameServer': 'string',
      'SessionStickinessPolicy': {
        'Enabled': True|False,
        'ExpirationPeriod': 123,
        'Method': 123
      },
      'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
      }
    }
  },
  'RouterId': 'string',

```

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```

    'RouterName': 'string'
  }
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **WebProxy** (dict) –
    - \* **BypassInterface** (dict) –
      - **NetworkId** (string) –
      - **NetworkName** (string) –
    - \* **Description** (string) –
    - \* **ListenInterface** (dict) –
      - **NetworkId** (string) –
      - **NetworkName** (string) –
    - \* **ListenPort** (string) –
    - \* **Option** (dict) –
      - **MobileFilter** (dict) –
      - **Enabled** (boolean) –
      - **NameServer** (string) –
      - **SessionStickinessPolicy** (dict) –
      - **Enabled** (boolean) –
      - **ExpirationPeriod** (integer) –
      - **Method** (integer) –
      - **SorryPage** (dict) –
      - **Enabled** (boolean) –
      - **RedirectUrl** (string) –
      - **StatusCode** (integer) –
    - \* **RouterId** (string) –
    - \* **RouterName** (string) –

**nifty\_delete\_alarm** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_delete_alarm(
    FunctionName='string',
    RuleName='string'
)

```

**Parameters**

- **FunctionName** (string) –
- **RuleName** (string) –

**Return type** dict

**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'Return': True|False
}

```

**Response Structure**

- (dict) –

- **RequestId** (*string*) -
- **Return** (*boolean*) -

**nifty\_delete\_auto\_scaling\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_auto_scaling_group(
    AutoScalingGroupName='string'
)
```

**Parameters** **AutoScalingGroupName** (*string*) -

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) -
  - **RequestId** (*string*) -
  - **Return** (*boolean*) -

**nifty\_delete\_dhcp\_config** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_dhcp_config(
    DhcpConfigId='string'
)
```

**Parameters** **DhcpConfigId** (*string*) -

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) -
  - **RequestId** (*string*) -
  - **Return** (*boolean*) -

**nifty\_delete\_dhcp\_ip\_address\_pool** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_dhcp_ip_address_pool(  
    DhcpConfigId='string',  
    StartIpAddress='string',  
    StopIpAddress='string'  
)
```

**Parameters**

- **DhcpConfigId** (*string*) –
- **StartIpAddress** (*string*) –
- **StopIpAddress** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_delete\_dhcp\_static\_mapping** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_dhcp_static_mapping(  
    DhcpConfigId='string',  
    IpAddress='string',  
    MacAddress='string'  
)
```

**Parameters**

- **DhcpConfigId** (*string*) –
- **IpAddress** (*string*) –
- **MacAddress** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_delete\_elastic\_load\_balancer** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Protocol='string'
)
```

**Parameters**

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

**Response Structure**

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_delete\_instance\_snapshot** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_instance_snapshot(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ]
)
```

**Parameters**

- **InstanceSnapshotId** (*list*) –
  - (*string*) –
- **SnapshotName** (*list*) –
  - (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'SnapshotInfoSet': [
```

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```

    {
        'CreatedTime': 'string',
        'ExpiredTime': 'string',
        'InstanceId': 'string',
        'InstanceSnapshotId': 'string',
        'Memo': 'string',
        'PowerStatus': 'string',
        'SnapshotName': 'string',
        'Status': 'string',
        'UpdatedTime': 'string'
    },
]
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **SnapshotInfoSet** (*list*) –
    - \* (*dict*) –
      - **CreatedTime** (*string*) –
      - **ExpiredTime** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceSnapshotId** (*string*) –
      - **Memo** (*string*) –
      - **PowerStatus** (*string*) –
      - **SnapshotName** (*string*) –
      - **Status** (*string*) –
      - **UpdatedTime** (*string*) –

**nifty\_delete\_nat\_rule** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_delete_nat_rule(
    NatTableId='string',
    NatType='string',
    RuleNumber='string'
)

```

**Parameters**

- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **RuleNumber** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –



- **RequestId** (*string*) -
- **Return** (*boolean*) -

**nifty\_delete\_nat\_table** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_nat_table(
    NatTableId='string'
)
```

**Parameters** **NatTableId** (*string*) -

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) -
  - **RequestId** (*string*) -
  - **Return** (*boolean*) -

**nifty\_delete\_private\_lan** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_private_lan(
    NetworkId='string',
    PrivateLanName='string'
)
```

**Parameters**

- **NetworkId** (*string*) -
- **PrivateLanName** (*string*) -

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) -
  - **RequestId** (*string*) -
  - **Return** (*boolean*) -

**nifty\_delete\_router** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_delete_router(  
    RouterId='string',  
    RouterName='string'  
)
```

**Parameters**

- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_delete\_separate\_instance\_rule** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_separate_instance_rule(  
    SeparateInstanceRuleName='string'  
)
```

**Parameters** **SeparateInstanceRuleName** (*string*) –**Return type** dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': 'string'  
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*string*) –

**nifty\_delete\_web\_proxy** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_web_proxy(  
    Agreement=True|False,  
    RouterId='string',  
    RouterName='string'  
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_deregister\_instances\_from\_elastic\_load\_balancer** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_deregister_instances_from_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

**Parameters**

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'Instances': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        }
    ]
}
```

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```

    },
  ],
  'NiftyDeregisterInstancesFromElasticLoadBalancerResult': {
  ↪ '... recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}

```

**Response Structure**

- (*dict*) –
  - **Instances** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **NiftyDeregisterInstancesFromElasticLoadBalancerResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_deregister\_instances\_from\_separate\_instance\_rule** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_deregister_instances_from_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)

```

**Parameters**

- **InstanceId** (*list*) –
  - (*string*) –
- **InstanceUniqueId** (*list*) –
  - (*string*) –
- **SeparateInstanceRuleName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
    },
  ],
}

```

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```

'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',

```

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```

        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],

```

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```

        },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            }
        ],
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {

```

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```

        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **InstancesSet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **Admin** (string) –
      - **AmiLaunchIndex** (string) –
      - **Architecture** (string) –
      - **Autoscaling** (dict) –
      - **AutoScalingGroupName** (string) –
      - **ExpireTime** (datetime) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –
      - **DeleteOnTermination** (boolean) –
      - **SnapshotId** (string) –
      - **Status** (string) –
      - **VolumId** (string) –
      - **VolumeSize** (integer) –
      - **NoDevice** (string) –
      - **VirtualName** (string) –
      - **CopyInfo** (string) –
      - **CurrentState** (dict) –
      - **Code** (integer) –
      - **Name** (string) –
      - **Description** (string) –
      - **DeviceIndex** (integer) –
      - **DnsName** (string) –
      - **ExpireTime** (datetime) –
      - **HotAdd** (string) –
      - **ImageId** (string) –
      - **ImageName** (string) –
      - **InstanceId** (string) –
      - **InstanceLifecycle** (string) –
      - **InstanceState** (dict) –
      - **Code** (integer) –
      - **Name** (string) –
      - **InstanceType** (string) –
      - **InstanceUniqueId** (string) –
      - **IpAddress** (string) –



- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –

- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –

- **RootDeviceType** (*string*) –
  - **SpotInstanceRequestId** (*string*) –
  - **StateReason** (*dict*) –
  - **Code** (*integer*) –
  - **Message** (*string*) –
  - **SubnetId** (*string*) –
  - **Tenancy** (*string*) –
  - **VpcId** (*string*) –
- **RequestId** (*string*) –

**nifty\_deregister\_routers\_from\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_deregister_routers_from_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

### Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
  - (*dict*) –
    - \* **RouterId** (*string*) –
    - \* **RouterName** (*string*) –

Return type dict

### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
```

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```

        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],

```

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```

        },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            }
        ],
        ],
        'VpcId': 'string'
    },
    ],
    'NextMonthAccountingType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'RouterId': 'string',
    'RouterName': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    ],
    'Type': 'string'
},
]
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **RouterSet** (*list*) –
    - \* (*dict*) –
      - **AccountingType** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **CreatedTime** (*datetime*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **GroupSet** (*list*) –
      - (*dict*) –
      - **GroupId** (*string*) –
      - **IpAddress** (*string*) –
      - **NatTableAssociationId** (*string*) –
      - **NatTableId** (*string*) –
      - **NetworkInterfaceSet** (*list*) –
      - (*dict*) –
      - **Association** (*dict*) –
      - **AllocationId** (*string*) –
      - **AssociationId** (*string*) –
      - **IpOwnerId** (*string*) –

- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –

- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

**nifty\_deregister\_vpn\_gateways\_from\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_deregister_vpn_gateways_from_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

### Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
  - (*dict*) –
  - \* **RouterId** (*string*) –
  - \* **RouterName** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'AccountingType': 'string',
            'Attachments': [
                {
                    'State': 'string',
                    'VpcId': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'BackupInformation': {
                'ExpirationDate': datetime(2015, 1, 1),
```

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```

        'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'DeviceIndex': 123,
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                }
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                }
            ],
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
}
]
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –

- **VpnGatewaySet** (*list*) -
  - \* (*dict*) -
    - **AccountingType** (*string*) -
    - **Attachments** (*list*) -
    - (*dict*) -
    - **State** (*string*) -
    - **VpcId** (*string*) -
    - **AvailabilityZone** (*string*) -
    - **BackupInformation** (*dict*) -
    - **ExpirationDate** (*datetime*) -
    - **IsBackup** (*boolean*) -
    - **CreatedTime** (*datetime*) -
    - **DeviceIndex** (*integer*) -
    - **GroupSet** (*list*) -
    - (*dict*) -
    - **GroupId** (*string*) -
    - **IpAddress** (*string*) -
    - **NetworkInterfaceSet** (*list*) -
    - (*dict*) -
    - **Association** (*dict*) -
    - **AllocationId** (*string*) -
    - **AssociationId** (*string*) -
    - **IpOwnerId** (*string*) -
    - **PublicDnsName** (*string*) -
    - **PublicIp** (*string*) -
    - **PublicIpV6** (*string*) -
    - **Attachment** (*dict*) -
    - **AttachTime** (*datetime*) -
    - **AttachmentID** (*string*) -
    - **AttachmentId** (*string*) -
    - **DeleteOnTermination** (*boolean*) -
    - **DeviceIndex** (*integer*) -
    - **InstanceId** (*string*) -
    - **InstanceOwnerId** (*string*) -
    - **Status** (*string*) -
    - **AvailabilityZone** (*string*) -
    - **CidrBlock** (*string*) -
    - **Descriprion** (*string*) -
    - **Description** (*string*) -
    - **DeviceIndex** (*integer*) -
    - **Dhcp** (*boolean*) -
    - **DhcpOptionsId** (*string*) -
    - **GroupSet** (*list*) -
    - (*dict*) -
    - **GroupId** (*string*) -
    - **InterfaceType** (*string*) -
    - **IpAddress** (*string*) -
    - **Ipv6AddressesSet** (*list*) -
    - (*dict*) -
    - **Ipv6Address** (*string*) -
    - **MacAddress** (*string*) -
    - **NetworkId** (*string*) -
    - **NetworkInterfaceId** (*string*) -
    - **NetworkName** (*string*) -

- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

**nifty\_describe\_alarm\_history** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_alarm_history(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
```

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```

        'FromDate': 'string',
        'FunctionName': 'string',
        'RuleName': 'string',
        'Threshold': 123.0,
        'ToDate': 'string',
        'UpperLowerCondition': 'string'
    },
]
)

```

**Parameters** `Rule` (*list*) –

- (*dict*) –
  - **BreachDuration** (*integer*) –
  - **DataType** (*string*) –
  - **FromDate** (*string*) –
  - **FunctionName** (*string*) –
  - **RuleName** (*string*) –
  - **Threshold** (*float*) –
  - **ToDate** (*string*) –
  - **UpperLowerCondition** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
↵ datetime(2015, 1, 1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
                        {
                            'AlarmRulesActivitiesEventSet': [
                                {
                                    'AlarmRulesActivitiesEvent
↵ ': 'string',
↵ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                                    'ResourceName': 'string',
                                    'Value': 'string'
                                },
                            ],
                        },
                    ],
                },
            ],
        },
    ],
}

```

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```

        'Date': 'string'
    },
    ],
    'DataType': 'string'
},
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeSize': 123
                },
                'NoDevice': 'string',
                'VirtualName': 'string'
            },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
            'Code': 123,
            'Name': 'string'
        },
    },
],
],

```

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```

'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪
↪ True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',

```

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```

'Description': 'string',
'DeviceIndex': 123,
'Dhcp': True|False,
'DhcpOptionsId': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string
↳ ',
            'AssociationId':
↳ 'string',
            'IpOwnerId': 'string',
            'PublicDnsName':
↳ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string
↳ '
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'

```

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```

        },
    ],
    'NextMonthAccountingType': 'string',
    'NiftyElasticLoadBalancing': [
        {
            'ElasticLoadBalancerId': 'string',
            'ElasticLoadBalancerName': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'Protocol': 'string'
        },
    ],
    'NiftyPrivateIpType': 'string',
    'NiftyPrivateNetworkType': 'string',
    'NiftySnapshotting': [
        {
            'State': 'string'
        },
    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {

```

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```

        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
    ],
    'Zone': 'string'
},
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **ReservationSet** (*list*) –
    - \* *(dict)* –
      - **AlarmCondition** (*string*) –
      - **AlarmDateHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEventHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEvent** (*string*) –
      - **AlarmEventDatetime** (*datetime*) –
      - **Date** (*string*) –
      - **AlarmRulesActivitiesSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesDateSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEventSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEvent** (*string*) –
      - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
      - **ResourceName** (*string*) –
      - **Value** (*string*) –
      - **Date** (*string*) –
      - **DataType** (*string*) –
      - **AlarmState** (*string*) –
      - **AlarmTargetsSet** (*list*) –
      - *(dict)* –
      - **ResourceName** (*string*) –
      - **CreatedTime** (*datetime*) –
      - **Description** (*string*) –
      - **EmailAddressSet** (*list*) –
      - *(dict)* –
      - **EmailAddress** (*string*) –
      - **FunctionName** (*string*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **InstancesSet** (*list*) –
      - *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –

- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –

- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

`nifty_describe_alarm_rules_activities` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_alarm_rules_activities(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ]
)
```

**Parameters** `Rule` (*list*) –

- (*dict*) –
  - **BreachDuration** (*integer*) –
  - **DataType** (*string*) –
  - **FromDate** (*string*) –
  - **FunctionName** (*string*) –
  - **RuleName** (*string*) –
  - **Threshold** (*float*) –
  - **ToDate** (*string*) –
  - **UpperLowerCondition** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
↵ datetime(2015, 1, 1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
                        {
                            'AlarmRulesActivitiesEventSet': [
                                {
```

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```

        'AlarmRulesActivitiesEvent
↪ ': 'string',
↪ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
        'ResourceName': 'string',
        'Value': 'string'
    },
    ],
    'Date': 'string'
},
],
'DataType': 'string'
},
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                'SnapshotId': 'string',
                'Status': 'string',
                'VolumeId': 'string',
                'VolumeSize': 123
            },
            'NoDevice': 'string',

```

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```

        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↵ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵
↵ True|False,

```

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```

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',

```

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```

        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',

```

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```

        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
},
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **ReservationSet** (*list*) –
    - \* *(dict)* –
      - **AlarmCondition** (*string*) –
      - **AlarmDateHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEventHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEvent** (*string*) –
      - **AlarmEventDatetime** (*datetime*) –
      - **Date** (*string*) –
      - **AlarmRulesActivitiesSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesDateSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEventSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEvent** (*string*) –
      - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
      - **ResourceName** (*string*) –
      - **Value** (*string*) –
      - **Date** (*string*) –
      - **DataType** (*string*) –
      - **AlarmState** (*string*) –
      - **AlarmTargetsSet** (*list*) –
      - *(dict)* –
      - **ResourceName** (*string*) –
      - **CreatedTime** (*datetime*) –
      - **Description** (*string*) –
      - **EmailAddressSet** (*list*) –
      - *(dict)* –
      - **EmailAddress** (*string*) –
      - **FunctionName** (*string*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –

- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –

- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –

- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

**nifty\_describe\_alarms** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_alarms(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ]
)
```

**Parameters** **Rule** (*list*) –

- (*dict*) –
  - **BreachDuration** (*integer*) –
  - **DataType** (*string*) –
  - **FromDate** (*string*) –
  - **FunctionName** (*string*) –
  - **RuleName** (*string*) –
  - **Threshold** (*float*) –
  - **ToDate** (*string*) –
  - **UpperLowerCondition** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
                        }
                    ],
                    ↵
                },
            ],
        },
    ],
}
```

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```

        'Date': 'string'
    },
],
'AlarmRulesActivitiesSet': [
    {
        'AlarmRulesActivitiesDateSet': [
            {
                'AlarmRulesActivitiesEventSet': [
                    {
                        'AlarmRulesActivitiesEvent
↪': 'string',
↪'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                        'ResourceName': 'string',
                        'Value': 'string'
                    },
                ],
                'Date': 'string'
            },
        ],
        'DataType': 'string'
    },
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),

```

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```

        'DeleteOnTermination': True,
        'SnapshotId': 'string',
        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        }
    }
]

```

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```

},
'Attachment': {
    'AttachTime': datetime(2015, 1,
↪ 1),
    'AttachmentID': 'string',
    'AttachmentId': 'string',
    'DeleteOnTermination': ↪
↪ True|False,
    'DeviceIndex': 123,
    'InstanceId': 'string',
    'InstanceOwnerId': 'string',
    'Status': 'string'
},
'AvailabilityZone': 'string',
'CidrBlock': 'string',
'Descriprion': 'string',
'Description': 'string',
'DeviceIndex': 123,
'Dhcp': True|False,
'DhcpOptionsId': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string
↪ ',
            'AssociationId':
↪ 'string',
            'IpOwnerId': 'string',
            'PublicDnsName':
↪ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',

```

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```

        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
},
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **ReservationSet** (*list*) –
    - \* *(dict)* –
      - **AlarmCondition** (*string*) –
      - **AlarmDateHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEventHistorySet** (*list*) –
      - *(dict)* –
      - **AlarmEvent** (*string*) –
      - **AlarmEventDatetime** (*datetime*) –
      - **Date** (*string*) –
      - **AlarmRulesActivitiesSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesDateSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEventSet** (*list*) –
      - *(dict)* –
      - **AlarmRulesActivitiesEvent** (*string*) –
      - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
      - **ResourceName** (*string*) –
      - **Value** (*string*) –
      - **Date** (*string*) –
      - **DataType** (*string*) –
      - **AlarmState** (*string*) –
      - **AlarmTargetsSet** (*list*) –
      - *(dict)* –

- **ResourceName** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **EmailAddressSet** (*list*) –
- (*dict*) –
- **EmailAddress** (*string*) –
- **FunctionName** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –

- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –

- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

**nifty\_describe\_alarms\_partitions** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_alarms_partitions(
    InstanceId=[
        'string',
    ]
)
```

**Parameters** **InstanceId** (*list*) –

- (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'AlarmTargetSet': [
        {
            'InstanceId': 'string',
            'PartitionsSet': [
                {
                    'Partition': 'string'
                },
            ],
        },
    ],
    'RequestId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **AlarmTargetSet** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **PartitionsSet** (*list*) –
        - (*dict*) –
          - **Partition** (*string*) –
    - **RequestId** (*string*) –

**nifty\_describe\_auto\_scaling\_groups** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_auto_scaling_groups(
    AutoScalingGroupName=[
        'string',
    ]
)
```

**Parameters** `AutoScalingGroupName` (*list*) –

- (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'AutoScalingReservationSet': [
        {
            'Alarm': 'string',
            'AutoScalingGroupName': 'string',
            'ChangeInCapacity': 123,
            'CreatedTime': datetime(2015, 1, 1),
            'DefaultCooldown': 123,
            'Description': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'ImageId': 'string',
            'InstanceLifecycleLimit': 123,
            'InstanceType': 'string',
            'InstancesSet': [
                {
                    'AccountingType': 'string',
                    'Admin': 'string',
                    'AmiLaunchIndex': 'string',
                    'Architecture': 'string',
                    'Autoscaling': {
                        'AutoScalingGroupName': 'string',
                        'ExpireTime': datetime(2015, 1, 1)
                    },
                    'BlockDeviceMapping': [
                        {
                            'DeviceName': 'string',
                            'Ebs': {
                                'AttachTime': datetime(2015, 1,
↪ 1),
                                'DeleteOnTermination': ↵
↪ True|False,
                                'SnapshotId': 'string',
                                'Status': 'string',
                                'VolumeId': 'string',
                                'VolumeSize': 123
                            },
                            'NoDevice': 'string',
```

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```

        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↵ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵
↵ True|False,

```

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```

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',

```

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```

        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',

```

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```

        'VpcId': 'string'
    },
],
'LoadBalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123
    },
],
'MaxSize': 123,
'MinSize': 123,
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Scaleout': 123,
'ScaleoutCondition': 'string',
'ScheduleSet': [
    {
        'DDay': {
            'EndingDDay': 'string',
            'StartingDDay': 'string'
        },
        'Day': {
            'SetFriday': 'string',
            'SetMonday': 'string',
            'SetSaturday': 'string',
            'SetSunday': 'string',
            'SetThursday': 'string',
            'SetTuesday': 'string',
            'SetWednesday': 'string'
        },
        'Month': {
            'EndingMonth': 'string',
            'StartingMonth': 'string'
        },
        'TimeZone': {
            'EndingTimeZone': 'string',
            'StartingTimeZone': 'string'
        }
    },
],
'TriggerSet': [
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
],
'RequestId': 'string'
}

```

**Response Structure**

- (*dict*) –

- **AutoScalingReservationSet** (*list*) -
  - \* (*dict*) -
    - **Alarm** (*string*) -
    - **AutoScalingGroupName** (*string*) -
    - **ChangeInCapacity** (*integer*) -
    - **CreatedTime** (*datetime*) -
    - **DefaultCooldown** (*integer*) -
    - **Description** (*string*) -
    - **GroupSet** (*list*) -
    - (*dict*) -
    - **GroupId** (*string*) -
    - **ImageId** (*string*) -
    - **InstanceLifecycleLimit** (*integer*) -
    - **InstanceType** (*string*) -
    - **InstancesSet** (*list*) -
    - (*dict*) -
    - **AccountingType** (*string*) -
    - **Admin** (*string*) -
    - **AmiLaunchIndex** (*string*) -
    - **Architecture** (*string*) -
    - **Autoscaling** (*dict*) -
    - **AutoScalingGroupName** (*string*) -
    - **ExpireTime** (*datetime*) -
    - **BlockDeviceMapping** (*list*) -
    - (*dict*) -
    - **DeviceName** (*string*) -
    - **Ebs** (*dict*) -
    - **AttachTime** (*datetime*) -
    - **DeleteOnTermination** (*boolean*) -
    - **SnapshotId** (*string*) -
    - **Status** (*string*) -
    - **VolumeId** (*string*) -
    - **VolumeSize** (*integer*) -
    - **NoDevice** (*string*) -
    - **VirtualName** (*string*) -
    - **CopyInfo** (*string*) -
    - **CurrentState** (*dict*) -
    - **Code** (*integer*) -
    - **Name** (*string*) -
    - **Description** (*string*) -
    - **DeviceIndex** (*integer*) -
    - **DnsName** (*string*) -
    - **ExpireTime** (*datetime*) -
    - **HotAdd** (*string*) -
    - **ImageId** (*string*) -
    - **ImageName** (*string*) -
    - **InstanceId** (*string*) -
    - **InstanceLifecycle** (*string*) -
    - **InstanceState** (*dict*) -
    - **Code** (*integer*) -
    - **Name** (*string*) -
    - **InstanceType** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **IpAddress** (*string*) -

- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –

- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –

- **RootDeviceType** (*string*) –
  - **SpotInstanceRequestId** (*string*) –
  - **StateReason** (*dict*) –
  - **Code** (*integer*) –
  - **Message** (*string*) –
  - **SubnetId** (*string*) –
  - **Tenancy** (*string*) –
  - **VpcId** (*string*) –
  - **LoadBalancing** (*list*) –
  - (*dict*) –
  - **InstancePort** (*integer*) –
  - **LoadBalancerName** (*string*) –
  - **LoadBalancerPort** (*integer*) –
  - **MaxSize** (*integer*) –
  - **MinSize** (*integer*) –
  - **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
  - **Scaleout** (*integer*) –
  - **ScaleoutCondition** (*string*) –
  - **ScheduleSet** (*list*) –
  - (*dict*) –
  - **DDay** (*dict*) –
  - **EndingDDay** (*string*) –
  - **StartingDDay** (*string*) –
  - **Day** (*dict*) –
  - **SetFriday** (*string*) –
  - **SetMonday** (*string*) –
  - **SetSaturday** (*string*) –
  - **SetSunday** (*string*) –
  - **SetThursday** (*string*) –
  - **SetTuesday** (*string*) –
  - **SetWednesday** (*string*) –
  - **Month** (*dict*) –
  - **EndingMonth** (*string*) –
  - **StartingMonth** (*string*) –
  - **TimeZone** (*dict*) –
  - **EndingTimeZone** (*string*) –
  - **StartingTimeZone** (*string*) –
  - **TriggerSet** (*list*) –
  - (*dict*) –
  - **BreachDuration** (*integer*) –
  - **Resource** (*string*) –
  - **UpperThreshold** (*float*) –
- **RequestId** (*string*) –

**nifty\_describe\_corporate\_info\_for\_certificate()**

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_corporate_info_for_certificate()
```

**Return type** dict

**Returns**



## Response Syntax

```
{
  'City': 'string',
  'CorpGrade': 'string',
  'CorpName': 'string',
  'DivisionName': 'string',
  'KanaName1': 'string',
  'KanaName2': 'string',
  'Name1': 'string',
  'Name2': 'string',
  'PostName': 'string',
  'Pref': 'string',
  'PresidentName1': 'string',
  'PresidentName2': 'string',
  'RequestId': 'string',
  'TdbCode': 'string',
  'Zip1': 'string',
  'Zip2': 'string'
}
```

## Response Structure

- (dict) –
  - **City** (string) –
  - **CorpGrade** (string) –
  - **CorpName** (string) –
  - **DivisionName** (string) –
  - **KanaName1** (string) –
  - **KanaName2** (string) –
  - **Name1** (string) –
  - **Name2** (string) –
  - **PostName** (string) –
  - **Pref** (string) –
  - **PresidentName1** (string) –
  - **PresidentName2** (string) –
  - **RequestId** (string) –
  - **TdbCode** (string) –
  - **Zip1** (string) –
  - **Zip2** (string) –

**nifty\_describe\_dhcp\_configs** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

## Request Syntax

```
response = client.nifty_describe_dhcp_configs(
    DhcpConfigId='string',
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)
```

## Parameters

- **DhcpConfigId** (*string*) –
- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'DhcpConfigsSet': [
    {
      'DhcpConfigId': 'string',
      'IpAddressPoolsSet': [
        {
          'Description': 'string',
          'StartIpAddress': 'string',
          'StopIpAddress': 'string'
        },
      ],
      'StaticMappingsSet': [
        {
          'Description': 'string',
          'IpAddress': 'string',
          'MacAddress': 'string'
        },
      ],
    },
  ],
  'RequestId': 'string'
}
```

### Response Structure

- (*dict*) –
  - **DhcpConfigsSet** (*list*) –
    - \* (*dict*) –
      - **DhcpConfigId** (*string*) –
      - **IpAddressPoolsSet** (*list*) –
        - (*dict*) –
          - **Description** (*string*) –
          - **StartIpAddress** (*string*) –
          - **StopIpAddress** (*string*) –
        - **StaticMappingsSet** (*list*) –
          - (*dict*) –
            - **Description** (*string*) –
            - **IpAddress** (*string*) –
            - **MacAddress** (*string*) –
    - **RequestId** (*string*) –

**nifty\_describe\_dhcp\_status** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_dhcp_status(
    RouterId='string',
    RouterName='string'
)
```

**Parameters**

- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'DhcpStatusInformationSet': [
    {
      'DhcpIpAddressInformationSet': {
        'DhcpIpAddressSet': [
          {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
          },
        ],
        'IpAddressPoolSet': [
          {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
          },
        ],
      },
      'NetworkId': 'string',
      'PrivateLanName': 'string'
    },
  ],
  'RequestId': 'string',
  'RouterId': 'string',
  'RouterName': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **DhcpStatusInformationSet** (*list*) –
    - \* (*dict*) –
      - **DhcpIpAddressInformationSet** (*dict*) –
      - **DhcpIpAddressSet** (*list*) –
      - (*dict*) –
      - **Description** (*string*) –
      - **StartIpAddress** (*string*) –
      - **StopIpAddress** (*string*) –
      - **IpAddressPoolSet** (*list*) –
      - (*dict*) –
      - **Description** (*string*) –
      - **StartIpAddress** (*string*) –
      - **StopIpAddress** (*string*) –
      - **NetworkId** (*string*) –

- **PrivateLanName** (*string*) –
- **RequestId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**nifty\_describe\_elastic\_load\_balancers** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_elastic_load_balancers(  
    ElasticLoadBalancers={  
        'RequestElasticLoadBalancerId': [  
            'string',  
        ],  
        'RequestElasticLoadBalancerName': [  
            'string',  
        ],  
        'RequestElasticLoadBalancerPort': [  
            123,  
        ],  
        'RequestInstancePort': [  
            123,  
        ],  
        'RequestProtocol': [  
            'string',  
        ]  
    },  
    Filter=[  
        {  
            'Name': 'string',  
            'RequestValue': [  
                'string',  
            ]  
        },  
    ]  
)
```

### Parameters

- **ElasticLoadBalancers** (*dict*) –
  - **RequestElasticLoadBalancerId** (*list*) –
    - \* (*string*) –
  - **RequestElasticLoadBalancerName** (*list*) –
    - \* (*string*) –
  - **RequestElasticLoadBalancerPort** (*list*) –
    - \* (*integer*) –
  - **RequestInstancePort** (*list*) –
    - \* (*integer*) –
  - **RequestProtocol** (*list*) –
    - \* (*string*) –
- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –

**Return type** dict

**Returns**

**Response Syntax**

```

{
  'ElasticLoadBalancerDescriptions': [
    {
      'AccountingType': 'string',
      'AvailabilityZones': [
        'string',
      ],
      'CreatedTime': datetime(2015, 1, 1),
      'DNSName': 'string',
      'ELBVersionInformation': {
        'IsLatest': True|False,
        'Version': True|False
      },
      'ElasticLoadBalancerId': 'string',
      'ElasticLoadBalancerListenerDescriptions': [
        {
          'Listener': {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'HealthCheck': {
              'HealthyThreshold': 123,
              'InstanceStates': [
                {
                  'Description': 'string',
                  'InstanceId': 'string',
                  'InstanceUniqueId': 'string',
                  'ReasonCode': 'string',
                  'State': 'string'
                },
              ],
            },
            'Interval': 123,
            'Target': 'string',
            'Timeout': 123,
            'UnhealthyThreshold': 123
          },
          'InstancePort': 123,
          'Instances': [
            {
              'InstanceId': 'string',
              'InstanceUniqueId': 'string'
            },
          ],
          'LoadBalancerPort': 123,
          'Protocol': 'string',
          'SSLCertificateId': 'string',
          'SessionStickinessPolicy': {
            'Enabled': True|False,
            'ExpirationPeriod': 123,
            'Method': 123
          },
          'SorryPage': {
            'Enabled': True|False,
            'RedirectUrl': 'string',
            'StatusCode': 123
          },

```

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```

        }
    },
    ],
    'ElasticLoadBalancerName': 'string',
    'NetworkInterfaces': [
        {
            'Description': 'string',
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    'NetworkVolume': 'string',
    'NextMonthAccountingType': 'string',
    'State': 'string'
},
],
'NiftyDescribeElasticLoadBalancersResult': {'... recursive_
→...'},
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

### Response Structure

- (dict) –
  - **ElasticLoadBalancerDescriptions** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **AvailabilityZones** (list) –
      - (string) –
      - **CreatedTime** (datetime) –
      - **DNSName** (string) –
      - **ELBVersionInformation** (dict) –
      - **IsLatest** (boolean) –
      - **Version** (boolean) –
      - **ElasticLoadBalancerId** (string) –
      - **ElasticLoadBalancerListenerDescriptions** (list) –
      - (dict) –
      - **Listener** (dict) –
      - **BalancingType** (integer) –
      - **Description** (string) –
      - **ElasticLoadBalancerPort** (integer) –
      - **HealthCheck** (dict) –
      - **HealthyThreshold** (integer) –
      - **InstanceStates** (list) –
      - (dict) –
      - **Description** (string) –
      - **InstanceId** (string) –
      - **InstanceUniqueId** (string) –
      - **ReasonCode** (string) –
      - **State** (string) –

- **Interval** (*integer*) –
- **Target** (*string*) –
- **Timeout** (*integer*) –
- **UnhealthyThreshold** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
- (*dict*) –
- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **Protocol** (*string*) –
- **SSLCertificateId** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **ElasticLoadBalancerName** (*string*) –
- **NetworkInterfaces** (*list*) –
- (*dict*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –
- **IsVipNetwork** (*boolean*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **NetworkVolume** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **State** (*string*) –
- **NiftyDescribeElasticLoadBalancersResult** (*dict*) –
- **ResponseMetadata** (*dict*) –
- \* **RequestId** (*string*) –

**nifty\_describe\_instance\_elastic\_load\_balancer\_health** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_instance_elastic_load_balancer_health(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

#### Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'InstanceStates': [
    {
      'Description': 'string',
      'InstanceId': 'string',
      'InstanceUniqueId': 'string',
      'ReasonCode': 'string',
      'State': 'string'
    },
  ],
  'NiftyDescribeInstanceElasticLoadBalancerHealthResult': {'.'.
↪ .. recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **InstanceStates** (*list*) –
    - \* (*dict*) –
      - **Description** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **ReasonCode** (*string*) –
      - **State** (*string*) –
  - **NiftyDescribeInstanceElasticLoadBalancerHealthResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_describe\_instance\_snapshots** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_instance_snapshots(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ]
)
```



**Parameters**

- **InstanceSnapshotId** (*list*) –  
– (*string*) –
- **SnapshotName** (*list*) –  
– (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'SnapshotInfoSet': [
    {
      'CreatedTime': 'string',
      'ExpiredTime': 'string',
      'InstanceId': 'string',
      'InstanceSnapshotId': 'string',
      'Memo': 'string',
      'PowerStatus': 'string',
      'SnapshotName': 'string',
      'Status': 'string',
      'UpdatedTime': 'string'
    },
  ],
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **SnapshotInfoSet** (*list*) –
    - \* (*dict*) –
      - **CreatedTime** (*string*) –
      - **ExpiredTime** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceSnapshotId** (*string*) –
      - **Memo** (*string*) –
      - **PowerStatus** (*string*) –
      - **SnapshotName** (*string*) –
      - **Status** (*string*) –
      - **UpdatedTime** (*string*) –

**nifty\_describe\_nat\_tables** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_describe_nat_tables(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ],
        },
    ],
    NatTableId=[
```

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```

        'string',
    ]
)

```

**Parameters**

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **NatTableId** (*list*) –
  - (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'NatTableSet': [
    {
      'AssociationSet': [
        {
          'AssociationId': 'string',
          'Main': True|False,
          'NatTableId': 'string',
          'RouteTableAssociationId': 'string',
          'RouteTableId': 'string',
          'RouterId': 'string',
          'RouterName': 'string',
          'SubnetId': 'string'
        },
      ],
      'NatRuleSet': [
        {
          'Description': 'string',
          'Destination': {
            'Address': 'string',
            'Port': 123
          },
          'InboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
          },
          'NatType': 'string',
          'OutboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
          },
          'Protocol': 'string',
          'RuleNumber': 'string',
          'Source': {
            'Address': 'string',
            'Port': 123
          },
          'Translation': {
            'Address': 'string',

```

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```

        'Port': 123
    },
    ],
    'NatTableId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    },
    ],
    'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **NatTableSet** (*list*) –
    - \* *(dict)* –
      - **AssociationSet** (*list*) –
      - *(dict)* –
      - **AssociationId** (*string*) –
      - **Main** (*boolean*) –
      - **NatTableId** (*string*) –
      - **RouteTableAssociationId** (*string*) –
      - **RouteTableId** (*string*) –
      - **RouterId** (*string*) –
      - **RouterName** (*string*) –
      - **SubnetId** (*string*) –
      - **NatRuleSet** (*list*) –
      - *(dict)* –
      - **Description** (*string*) –
      - **Destination** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
      - **InboundInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
      - **NatType** (*string*) –
      - **OutboundInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
      - **Protocol** (*string*) –
      - **RuleNumber** (*string*) –
      - **Source** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
      - **Translation** (*dict*) –
      - **Address** (*string*) –
      - **Port** (*integer*) –
      - **NatTableId** (*string*) –
      - **TagSet** (*list*) –
      - *(dict)* –

- **Key** (*string*) –
- **Value** (*string*) –
- **RequestId** (*string*) –

**nifty\_describe\_performance\_chart** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_performance_chart(  
    DataType=[  
        'string',  
    ],  
    FromDate='string',  
    FunctionName='string',  
    ResourceName=[  
        'string',  
    ],  
    ToDate='string',  
    ValueType='string'  
)
```

#### Parameters

- **DataType** (*list*) –
  - (*string*) –
- **FromDate** (*string*) –
- **FunctionName** (*string*) –
- **ResourceName** (*list*) –
  - (*string*) –
- **ToDate** (*string*) –
- **ValueType** (*string*) –

**Return type** dict

#### Returns

##### Response Syntax

```
{  
    'FunctionName': 'string',  
    'PerformanceChartSet': [  
        {  
            'DataSet': [  
                {  
                    'DateTime': 'string',  
                    'Value': 'string'  
                },  
            ],  
            'DataType': 'string',  
            'ResourceName': 'string'  
        },  
    ],  
    'RequestId': 'string',  
    'ValueType': 'string'  
}
```

#### Response Structure

- (*dict*) –
  - **FunctionName** (*string*) –
  - **PerformanceChartSet** (*list*) –

- \* (dict) –
  - **DataSet** (list) –
  - (dict) –
  - **DateTime** (string) –
  - **Value** (string) –
  - **DataType** (string) –
  - **ResourceName** (string) –
- **RequestId** (string) –
- **ValueType** (string) –

**nifty\_describe\_private\_lans** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_private_lans(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
        'string',
    ]
)
```

### Parameters

- **Filter** (list) –
  - (dict) –
    - \* **Name** (string) –
    - \* **RequestValue** (list) –
      - (string) –
- **NetworkId** (list) –
  - (string) –
- **PrivateLanName** (list) –
  - (string) –

Return type dict

### Returns

#### Response Syntax

```
{
  'PrivateLanSet': [
    {
      'AccountingType': 'string',
      'AvailabilityZone': 'string',
      'CidrBlock': 'string',
      'CreatedTime': datetime(2015, 1, 1),
      'Description': 'string',
      'ElasticLoadBalancingSet': [
        {
```

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```

        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↵
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeSize': 123
                },
                'NoDevice': 'string',
                'VirtualName': 'string'
            },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
            'Code': 123,
            'Name': 'string'
        },
        'Description': 'string',
        'DeviceIndex': 123,
        'DnsName': 'string',
        'ExpireTime': datetime(2015, 1, 1),
        'HotAdd': 'string',
        'ImageId': 'string',
        'ImageName': 'string',
        'InstanceId': 'string',
        'InstanceLifecycle': 'string',
        'InstanceState': {
            'Code': 123,
            'Name': 'string'
        },
        'InstanceType': 'string',
        'InstanceUniqueId': 'string',
        'IpAddress': 'string',
        'IpAddressV6': 'string',
        'IpType': 'string',
        'KernelId': 'string',

```

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```

'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪
↪ True|False,

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',

```

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```

        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↵',
                    'AssociationId':
↵'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↵'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↵'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string
↵',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],

```

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```

    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        }
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'NetworkId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',

```

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```

        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': ↪
↪ True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },

```

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```

        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
'Type': 'string'
},
],
'SharingStatus': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
],
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            }
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        }
    }
],

```

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```

'CreatedTime': datetime(2015, 1, 1),
'DeviceIndex': 123,
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'IpAddress': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪
↪ True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↵',
                    'AssociationId':
↵'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↵'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↵'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
},
]
},

```

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```

],
  'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **PrivateLanSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **CidrBlock** (*string*) –
      - **CreatedTime** (*datetime*) –
      - **Description** (*string*) –
      - **ElasticLoadBalancingSet** (*list*) –
      - *(dict)* –
      - **ElasticLoadBalancerName** (*string*) –
      - **ElasticLoadBalancerPort** (*integer*) –
      - **InstancePort** (*integer*) –
      - **Protocol** (*string*) –
      - **InstancesSet** (*list*) –
      - *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumeId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **HotAdd** (*string*) –
      - **ImageId** (*string*) –
      - **ImageName** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceLifecycle** (*string*) –

- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –

- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –



- *(dict)* –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –
- **RouterSet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **SharingStatus** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –

- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpnGatewaySet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- *(dict)* –
- **State** (*string*) –
- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
- **BackupInformation** (*dict*) –
- **ExpirationDate** (*datetime*) –
- **IsBackup** (*boolean*) –
- **CreatedTime** (*datetime*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- *(dict)* –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –

- **NetworkId** (*string*) –
  - **NetworkInterfaceId** (*string*) –
  - **NetworkName** (*string*) –
  - **NiftyNetworkId** (*string*) –
  - **NiftyNetworkName** (*string*) –
  - **OwnerId** (*string*) –
  - **PrivateDnsName** (*string*) –
  - **PrivateIpAddress** (*string*) –
  - **PrivateIpAddressV6** (*string*) –
  - **PrivateIpAddressesSet** (*list*) –
  - (*dict*) –
  - **Association** (*dict*) –
  - **AllocationId** (*string*) –
  - **AssociationId** (*string*) –
  - **IpOwnerId** (*string*) –
  - **PublicDnsName** (*string*) –
  - **PublicIp** (*string*) –
  - **PublicIpV6** (*string*) –
  - **Primary** (*boolean*) –
  - **PrivateDnsName** (*string*) –
  - **PrivateIpAddress** (*string*) –
  - **RequesterId** (*string*) –
  - **RequesterManaged** (*string*) –
  - **SourceDestCheck** (*string*) –
  - **Status** (*string*) –
  - **SubnetId** (*string*) –
  - **TagSet** (*list*) –
  - (*dict*) –
  - **Key** (*string*) –
  - **Value** (*string*) –
  - **VpcId** (*string*) –
  - **NiftyRedundancy** (*boolean*) –
  - **NiftyVpnGatewayDescription** (*string*) –
  - **NiftyVpnGatewayName** (*string*) –
  - **NiftyVpnGatewayType** (*string*) –
  - **RouteTableAssociationId** (*string*) –
  - **RouteTableId** (*string*) –
  - **State** (*string*) –
  - **TagSet** (*list*) –
  - (*dict*) –
  - **Key** (*string*) –
  - **Value** (*string*) –
  - **Type** (*string*) –
  - **VersionInformation** (*dict*) –
  - **IsLatest** (*boolean*) –
  - **Version** (*string*) –
  - **VpnGatewayId** (*string*) –
- **RequestId** (*string*) –

**nifty\_describe\_routers** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_describe_routers(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)

```

**Parameters**

- **Filter** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **RouterId** (*list*) –
  - (*string*) –
- **RouterName** (*list*) –
  - (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
                        'IpOwnerId': 'string',
                        'PublicDnsName': 'string',
                        'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **RouterSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **CreatedTime** (*datetime*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **IpAddress** (*string*) –
      - **NatTableAssociationId** (*string*) –
      - **NatTableId** (*string*) –
      - **NetworkInterfaceSet** (*list*) –
      - *(dict)* –
      - **Association** (*dict*) –
      - **AllocationId** (*string*) –
      - **AssociationId** (*string*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –
      - **PublicIpV6** (*string*) –

- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –



- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

**nifty\_describe\_scaling\_activities** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_describe_scaling_activities(
    ActivityDateFrom='string',
    ActivityDateTo='string',
    AutoScalingGroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

### Parameters

- **ActivityDateFrom** (*string*) –
- **ActivityDateTo** (*string*) –
- **AutoScalingGroupName** (*string*) –
- **Range** (*dict*) –
  - **All** (*boolean*) –
  - **EndNumber** (*integer*) –
  - **StartNumber** (*integer*) –

**Return type** dict

### Returns

#### Response Syntax

```
{
    'AutoScalingGroupName': 'string',
    'LogSet': [
        {
            'Details': {
                'ChangeInCapacity': 123,
                'CurrentServersCount': 123,
                'Resource': 'string',
                'UpperThreshold': 123.0
            },
            'Process': 'string',
            'Time': datetime(2015, 1, 1)
        },
    ],
}
```

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```

    'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **AutoScalingGroupName** (*string*) –
  - **LogSet** (*list*) –
    - \* *(dict)* –
      - **Details** (*dict*) –
      - **ChangeInCapacity** (*integer*) –
      - **CurrentServersCount** (*integer*) –
      - **Resource** (*string*) –
      - **UpperThreshold** (*float*) –
      - **Process** (*string*) –
      - **Time** (*datetime*) –
  - **RequestId** (*string*) –

**nifty\_describe\_separate\_instance\_rules** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_describe_separate_instance_rules(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    SeparateInstanceRuleName=[
        'string',
    ]
)

```

**Parameters**

- **Filter** (*list*) –
  - *(dict)* –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **SeparateInstanceRuleName** (*list*) –
  - (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'SeparateInstanceRulesInfo': [
        {
            'AvailabilityZone': 'string',
            'InstancesSet': [
                {

```

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```

'AccountingType': 'string',
'Admin': 'string',
'AmiLaunchIndex': 'string',
'Architecture': 'string',
'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
},
'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'DeleteOnTermination': ↪
↪ True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
]

```

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```

    },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↪
↪ True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Descriprion': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                },
            ],
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string'
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'
↪ ',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,

```

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```

        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
    },
],
'SeparateInstanceRuleDescription': 'string',
'SeparateInstanceRuleName': 'string',
'SeparateInstanceRuleStatus': 'string'
},
]
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **SeparateInstanceRulesInfo** (*list*) –
    - \* (*dict*) –
      - **AvailabilityZone** (*string*) –
      - **InstancesSet** (*list*) –
      - (*dict*) –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - (*dict*) –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –

- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –

- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –



- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **SeparateInstanceRuleDescription** (*string*) –
- **SeparateInstanceRuleName** (*string*) –
- **SeparateInstanceRuleStatus** (*string*) –

**nifty\_describe\_vpn\_gateway\_activities** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_describe_vpn_gateway_activities(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

#### Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

#### Returns

##### Response Syntax

```
{
    'AnalyzeResultSet': [
        {
```

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```

        'AnalyzeCode': 'string',
        'Line': 'string'
    },
],
'Log': 'string',
'NiftyVpnGatewayName': 'string',
'RequestId': 'string',
'VpnGatewayId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **AnalyzeResultSet** (*list*) –
    - \* *(dict)* –
      - **AnalyzeCode** (*string*) –
      - **Line** (*string*) –
  - **Log** (*string*) –
  - **NiftyVpnGatewayName** (*string*) –
  - **RequestId** (*string*) –
  - **VpnGatewayId** (*string*) –

**nifty\_describe\_web\_proxies** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_describe_web_proxies(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)

```

**Parameters**

- **Filter** (*list*) –
  - *(dict)* –
    - \* **Name** (*string*) –
    - \* **RequestValue** (*list*) –
      - (*string*) –
- **RouterId** (*list*) –
  - (*string*) –
- **RouterName** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

## Response Syntax

```
{
  'RequestId': 'string',
  'WebProxy': [
    {
      'BypassInterface': {
        'NetworkId': 'string',
        'NetworkName': 'string'
      },
      'Description': 'string',
      'ListenInterface': {
        'NetworkId': 'string',
        'NetworkName': 'string'
      },
      'ListenPort': 'string',
      'Option': {
        'MobileFilter': {
          'Enabled': True|False
        },
        'NameServer': 'string',
        'SessionStickinessPolicy': {
          'Enabled': True|False,
          'ExpirationPeriod': 123,
          'Method': 123
        },
        'SorryPage': {
          'Enabled': True|False,
          'RedirectUrl': 'string',
          'StatusCode': 123
        }
      },
      'RouterId': 'string',
      'RouterName': 'string'
    },
  ]
}
```

## Response Structure

- *(dict)* –
  - **RequestId** (*string*) –
  - **WebProxy** (*list*) –
    - \* *(dict)* –
      - **BypassInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
      - **Description** (*string*) –
      - **ListenInterface** (*dict*) –
      - **NetworkId** (*string*) –
      - **NetworkName** (*string*) –
      - **ListenPort** (*string*) –
      - **Option** (*dict*) –
      - **MobileFilter** (*dict*) –
      - **Enabled** (*boolean*) –
      - **NameServer** (*string*) –
      - **SessionStickinessPolicy** (*dict*) –
      - **Enabled** (*boolean*) –

- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**nifty\_disable\_dhcp** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_disable_dhcp(
    Agreement=True|False,
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type `dict`

#### Returns

##### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

##### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_disassociate\_nat\_table** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_disassociate_nat_table(
    Agreement=True|False,
    AssociationId='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

Return type `dict`

#### Returns

**Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_disassociate\_route\_table\_from\_vpn\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_disassociate_route_table_from_vpn_gateway(
    Agreement=True|False,
    AssociationId='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_enable\_dhcp** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_enable_dhcp(
    Agreement=True|False,
    DhcpConfigId='string',
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) –
- **DhcpOptionsId** (*string*) –

- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_address\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_modify_address_attribute(
    Attribute='string',
    PrivateIpAddress='string',
    PublicIp='string',
    Value='string'
)
```

#### Parameters

- **Attribute** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_customer\_gateway\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_modify_customer_gateway_attribute(
    Attribute='string',
```

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```

CustomerGatewayId='string',
NiftyCustomerGatewayName='string',
Value='string'
)

```

**Parameters**

- **Attribute** (*string*) –
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **Value** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_elastic\_load\_balancer\_attributes** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_modify_elastic_load_balancer_attributes(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    LoadBalancerAttributes={
        'RequestAdditionalAttributes': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'RequestSessionStruct': {
            'RequestStickinessPolicyStruct': {
                'Enable': True|False,
                'ExpirationPeriod': 123,
                'Method': 'string'
            }
        },
        'RequestSorryPageStruct': {
            'Enable': True|False,
            'RedirectUrl': 'string'
        }
    },
    Protocol='string'
)

```

**Parameters**

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **LoadBalancerAttributes** (*dict*) –
  - **RequestAdditionalAttributes** (*list*) –
    - \* (*dict*) –
      - **Key** (*string*) –
      - **Value** (*string*) –
  - **RequestSessionStruct** (*dict*) –
    - \* **RequestStickinessPolicyStruct** (*dict*) –
      - **Enable** (*boolean*) –
      - **ExpirationPeriod** (*integer*) –
      - **Method** (*string*) –
  - **RequestSorryPageStruct** (*dict*) –
    - \* **Enable** (*boolean*) –
    - \* **RedirectUrl** (*string*) –
- **Protocol** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

**Response Structure**

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_modify\_instance\_snapshot\_attribute** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_modify_instance_snapshot_attribute(
    Attribute='string',
    InstanceSnapshotId='string',
    SnapshotName='string',
    Value='string'
)
```

**Parameters**

- **Attribute** (*string*) –
- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –
- **Value** (*string*) –

**Return type** dict**Returns****Response Syntax**



```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_key\_pair\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_modify_key_pair_attribute(
    Attribute='string',
    KeyName='string',
    Value='string'
)
```

**Parameters**

- **Attribute** (*string*) –
- **KeyName** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
  'Attribute': 'string',
  'RequestId': 'string',
  'Return': True|False,
  'Value': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **Attribute** (*string*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –
  - **Value** (*string*) –

**nifty\_modify\_private\_lan\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_modify_private_lan_attribute(
    Attribute='string',
    NetworkId='string',
    PrivateLanName='string',
    Value='string'
)
```

**Parameters**

- **Attribute** (*string*) –

- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_router\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_modify_router_attribute(
    Agreement=True|False,
    Attribute='string',
    RouterId='string',
    RouterName='string',
    Value='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_vpn\_gateway\_attribute** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```

response = client.nifty_modify_vpn_gateway_attribute(
    Agreement=True|False,
    Attribute='string',
    NiftyVpnGatewayName='string',
    Value='string',
    VpnGatewayId='string'
)

```

**Parameters**

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **Value** (*string*) –
- **VpnGatewayId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_modify\_web\_proxy\_attribute** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_modify_web_proxy_attribute(
    Agreement=True|False,
    Attribute='string',
    RouterId='string',
    RouterName='string',
    Value='string'
)

```

**Parameters**

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_reboot\_routers** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_reboot_routers(
    Router=[
        {
            'NiftyReboot': 'string',
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

**Parameters Router** (*list*) –

- (*dict*) –
  - **NiftyReboot** (*string*) –
  - **RouterId** (*string*) –
  - **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_reboot\_vpn\_gateways** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_reboot_vpn_gateways(
    VpnGateway=[
        {
            'NiftyReboot': 'string',
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

**Parameters VpnGateway** (*list*) –

- (*dict*) –
  - **NiftyReboot** (*string*) –
  - **NiftyVpnGatewayName** (*string*) –

– **VpnGatewayId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_register\_instances\_with\_elastic\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_register_instances_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

#### Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'Instances': [
    {
      'InstanceId': 'string',
      'InstanceUniqueId': 'string'
    },
  ],
  'NiftyRegisterInstancesWithElasticLoadBalancerResult': {'..
  ↪ recursive ...'},
```

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```

    'ResponseMetadata': {
        'RequestId': 'string'
    }
}

```

**Response Structure**

- *(dict)* –
  - **Instances** (*list*) –
    - \* *(dict)* –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **NiftyRegisterInstancesWithElasticLoadBalancerResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_register\_instances\_with\_separate\_instance\_rule** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_register_instances_with_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)

```

**Parameters**

- **InstanceId** (*list*) –
  - (*string*) –
- **InstanceUniqueId** (*list*) –
  - (*string*) –
- **SeparateInstanceRuleName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'InstancesSet': [
        {
            'AccountingType': 'string',
            'Admin': 'string',
            'AmiLaunchIndex': 'string',
            'Architecture': 'string',
            'Autoscaling': {
                'AutoScalingGroupName': 'string',
                'ExpireTime': datetime(2015, 1, 1)
            },
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',
                    'Ebs': {

```

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```

        'AttachTime': datetime(2015, 1, 1),
        'DeleteOnTermination': True|False,
        'SnapshotId': 'string',
        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'

```

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```

    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',

```

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```

        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',

```

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```

        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **InstancesSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **HotAdd** (*string*) –
      - **ImageId** (*string*) –
      - **ImageName** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceLifecycle** (*string*) –
      - **InstanceState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **InstanceType** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **IpAddress** (*string*) –
      - **IpAddressV6** (*string*) –
      - **IpType** (*string*) –
      - **KernelId** (*string*) –
      - **KeyName** (*string*) –

- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –

- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **RequestId** (*string*) –

**nifty\_register\_port\_with\_elastic\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_register_port_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'RequestSessionStruct': {
                'RequestStickinessPolicyStruct': {
                    'Enable': True|False,
                    'ExpirationPeriod': 123,
                    'Method': 'string'
                }
            },
            'RequestSorryPageStruct': {
                'Enable': True|False,
                'RedirectUrl': 'string'
            },
            'SSLCertificateId': 'string'
        },
    ],
)
```

### Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) –
  - (*dict*) –
    - \* **BalancingType** (*string*) –
    - \* **Description** (*string*) –
    - \* **ElasticLoadBalancerPort** (*integer*) –
    - \* **InstancePort** (*integer*) –

- \* **LoadBalancerPort** (*integer*) –
- \* **Protocol** (*string*) –
- \* **RequestHealthCheckStruct** (*dict*) –
  - **Interval** (*integer*) –
  - **Target** (*string*) –
  - **UnhealthyThreshold** (*integer*) –
- \* **RequestInstances** (*list*) –
  - (*dict*) –
  - **InstanceId** (*string*) –
  - **InstanceUniqueId** (*string*) –
- \* **RequestSessionStruct** (*dict*) –
  - **RequestStickinessPolicyStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **ExpirationPeriod** (*integer*) –
  - **Method** (*string*) –
- \* **RequestSorryPageStruct** (*dict*) –
  - **Enable** (*boolean*) –
  - **RedirectUrl** (*string*) –
- \* **SSLCertificateId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'Listeners': [
    {
      'BalancingType': 123,
      'InstancePort': 123,
      'Listener': {
        'BalancingType': 123,
        'Description': 'string',
        'ElasticLoadBalancerPort': 123,
        'HealthCheck': {
          'HealthyThreshold': 123,
          'InstanceStates': [
            {
              'Description': 'string',
              'InstanceId': 'string',
              'InstanceUniqueId': 'string',
              'ReasonCode': 'string',
              'State': 'string'
            },
          ],
          'Interval': 123,
          'Target': 'string',
          'Timeout': 123,
          'UnhealthyThreshold': 123
        },
        'InstancePort': 123,
        'Instances': [
          {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
          },
        ],
        'LoadBalancerPort': 123,
```

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```

        'Protocol': 'string',
        'SSLCertificateId': 'string',
        'SessionStickinessPolicy': {
            'Enabled': True|False,
            'ExpirationPeriod': 123,
            'Method': 123
        },
        'SorryPage': {
            'Enabled': True|False,
            'RedirectUrl': 'string',
            'StatusCode': 123
        }
    },
    'LoadBalancerPort': 123,
    'Protocol': 'string'
},
],
'NiftyRegisterPortWithElasticLoadBalancerResult': {'..._
←recursive ...'},
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

**Response Structure**

- (dict) –
  - **Listeners** (list) –
    - \* (dict) –
      - **BalancingType** (integer) –
      - **InstancePort** (integer) –
      - **Listener** (dict) –
      - **BalancingType** (integer) –
      - **Description** (string) –
      - **ElasticLoadBalancerPort** (integer) –
      - **HealthCheck** (dict) –
      - **HealthyThreshold** (integer) –
      - **InstanceStates** (list) –
      - (dict) –
      - **Description** (string) –
      - **InstanceId** (string) –
      - **InstanceUniqueId** (string) –
      - **ReasonCode** (string) –
      - **State** (string) –
      - **Interval** (integer) –
      - **Target** (string) –
      - **Timeout** (integer) –
      - **UnhealthyThreshold** (integer) –
      - **InstancePort** (integer) –
      - **Instances** (list) –
      - (dict) –
      - **InstanceId** (string) –
      - **InstanceUniqueId** (string) –
      - **LoadBalancerPort** (integer) –
      - **Protocol** (string) –
      - **SSLCertificateId** (string) –

- **SessionStickinessPolicy** (*dict*) –
  - **Enabled** (*boolean*) –
  - **ExpirationPeriod** (*integer*) –
  - **Method** (*integer*) –
  - **SorryPage** (*dict*) –
  - **Enabled** (*boolean*) –
  - **RedirectUrl** (*string*) –
  - **StatusCode** (*integer*) –
  - **LoadBalancerPort** (*integer*) –
  - **Protocol** (*string*) –
- **NiftyRegisterPortWithElasticLoadBalancerResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_register\_routers\_with\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_register_routers_with_security_group(  
    GroupName='string',  
    RouterSet=[  
        {  
            'RouterId': 'string',  
            'RouterName': 'string'  
        },  
    ]  
)
```

### Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
  - (*dict*) –
    - \* **RouterId** (*string*) –
    - \* **RouterName** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{  
    'RequestId': 'string',  
    'RouterSet': [  
        {  
            'AccountingType': 'string',  
            'AvailabilityZone': 'string',  
            'CreatedTime': datetime(2015, 1, 1),  
            'Description': 'string',  
            'DeviceIndex': 123,  
            'GroupSet': [  
                {  
                    'GroupId': 'string'  
                },  
            ],  
            'IpAddress': 'string',  
            'NatTableAssociationId': 'string',  
            'NatTableId': 'string',
```

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```

'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
]
}

```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **RouterSet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **AvailabilityZone** (string) –
      - **CreatedTime** (datetime) –
      - **Description** (string) –
      - **DeviceIndex** (integer) –
      - **GroupSet** (list) –
      - (dict) –
      - **GroupId** (string) –
      - **IpAddress** (string) –
      - **NatTableAssociationId** (string) –
      - **NatTableId** (string) –
      - **NetworkInterfaceSet** (list) –
      - (dict) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –

- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

**nifty\_register\_vpn\_gateways\_with\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_register_vpn_gateways_with_security_group(
    GroupName='string',
    VpnGatewaySet=[
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

#### Parameters

- **GroupName** (*string*) –
- **VpnGatewaySet** (*list*) –
- (*dict*) –
- \* **NiftyVpnGatewayName** (*string*) –
- \* **VpnGatewayId** (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'AccountingType': 'string',
            'Attachments': [
                {
                    'State': 'string',
                    'VpcId': 'string'
                },
            ],
        },
    ],
}
```

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```

],
'AvailabilityZone': 'string',
'BackupInformation': {
  'ExpirationDate': datetime(2015, 1, 1),
  'IsBackup': True|False
},
'CreatedTime': datetime(2015, 1, 1),
'DeviceIndex': 123,
'GroupSet': [
  {
    'GroupId': 'string'
  },
],
'IpAddress': 'string',
'NetworkInterfaceSet': [
  {
    'Association': {
      'AllocationId': 'string',
      'AssociationId': 'string',
      'IpOwnerId': 'string',
      'PublicDnsName': 'string',
      'PublicIp': 'string',
      'PublicIpV6': 'string'
    },
    'Attachment': {
      'AttachTime': datetime(2015, 1, 1),
      'AttachmentID': 'string',
      'AttachmentId': 'string',
      'DeleteOnTermination': True|False,
      'DeviceIndex': 123,
      'InstanceId': 'string',
      'InstanceOwnerId': 'string',
      'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
      {
        'GroupId': 'string'
      },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
      {
        'Ipv6Address': 'string'
      },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',

```

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```

        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
}
]
}

```

**Response Structure**

- *(dict)* –
  - **RequestId** (*string*) –
  - **VpnGatewaySet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Attachments** (*list*) –
      - *(dict)* –
      - **State** (*string*) –
      - **VpcId** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **BackupInformation** (*dict*) –
      - **ExpirationDate** (*datetime*) –
      - **IsBackup** (*boolean*) –
      - **CreatedTime** (*datetime*) –
      - **DeviceIndex** (*integer*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **IpAddress** (*string*) –
      - **NetworkInterfaceSet** (*list*) –
      - *(dict)* –
      - **Association** (*dict*) –
      - **AllocationId** (*string*) –
      - **AssociationId** (*string*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –
      - **PublicIpV6** (*string*) –
      - **Attachment** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **AttachmentID** (*string*) –
      - **AttachmentId** (*string*) –
      - **DeleteOnTermination** (*boolean*) –
      - **DeviceIndex** (*integer*) –
      - **InstanceId** (*string*) –
      - **InstanceOwnerId** (*string*) –
      - **Status** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **CidrBlock** (*string*) –
      - **Descripriion** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **Dhcp** (*boolean*) –
      - **DhcpOptionsId** (*string*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **InterfaceType** (*string*) –
      - **IpAddress** (*string*) –
      - **Ipv6AddressesSet** (*list*) –
      - *(dict)* –
      - **Ipv6Address** (*string*) –
      - **MacAddress** (*string*) –

- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

**nifty\_release\_router\_backup\_state** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_release_router_backup_state(
```

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```
RouterId='string',
RouterName='string'
)
```

**Parameters**

- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_release\_vpn\_gateway\_backup\_state** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_release_vpn_gateway_backup_state(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

**Parameters**

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_replace\_dhcp\_config** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_replace_dhcp_config(
    Agreement=True|False,
```

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```
DhcpConfigId='string',
NetworkId='string',
NetworkName='string',
RouterId='string',
RouterName='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_replace\_dhcp\_option** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_replace_dhcp_option(
    Agreement=True|False,
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_replace\_elastic\_load\_balancer\_latest\_version** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_replace_elastic_load_balancer_latest_version(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string'
)
```

**Parameters**

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

**Response Structure**

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_replace\_nat\_rule** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_replace_nat_rule(
    Description='string',
    Destination={
        'Port': 123
    },
    InboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NatTableId='string',
    NatType='string',
    OutboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    }
)
```

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```

    },
    Protocol='string',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
}
)

```

**Parameters**

- **Description** (*string*) –
- **Destination** (*dict*) –
  - **Port** (*integer*) –
- **InboundInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **OutboundInterface** (*dict*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
- **Protocol** (*string*) –
- **RuleNumber** (*string*) –
- **Source** (*dict*) –
  - **Address** (*string*) –
  - **Port** (*integer*) –
- **Translation** (*dict*) –
  - **Address** (*string*) –
  - **Port** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'NatRule': {
    'Description': 'string',
    'Destination': {
      'Address': 'string',
      'Port': 123
    },
    'InboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'NatType': 'string',
    'OutboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Protocol': 'string',
  }
}

```

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```

    'RuleNumber': 'string',
    'Source': {
        'Address': 'string',
        'Port': 123
    },
    'Translation': {
        'Address': 'string',
        'Port': 123
    }
},
'NatTableId': 'string',
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **NatRule** (dict) –
    - \* **Description** (string) –
    - \* **Destination** (dict) –
      - **Address** (string) –
      - **Port** (integer) –
    - \* **InboundInterface** (dict) –
      - **NetworkId** (string) –
      - **NetworkName** (string) –
    - \* **NatType** (string) –
    - \* **OutboundInterface** (dict) –
      - **NetworkId** (string) –
      - **NetworkName** (string) –
    - \* **Protocol** (string) –
    - \* **RuleNumber** (string) –
    - \* **Source** (dict) –
      - **Address** (string) –
      - **Port** (integer) –
    - \* **Translation** (dict) –
      - **Address** (string) –
      - **Port** (integer) –
  - **NatTableId** (string) –
  - **RequestId** (string) –

**nifty\_replace\_nat\_table\_association** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.nifty_replace_nat_table_association(
    Agreement=True|False,
    AssociationId='string',
    NatTableId='string'
)

```

**Parameters**

- **Agreement** (boolean) –
- **AssociationId** (string) –
- **NatTableId** (string) –

**Return type** dict

## Returns

### Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

### Response Structure

- (*dict*) –
  - **NewAssociationId** (*string*) –
  - **RequestId** (*string*) –

**nifty\_replace\_route\_table\_association\_with\_vpn\_gateway** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_replace_route_table_association_with_vpn_gateway(
    Agreement=True|False,
    AssociationId='string',
    RouteTableId='string'
)
```

### Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –
- **RouteTableId** (*string*) –

Return type *dict*

## Returns

### Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

### Response Structure

- (*dict*) –
  - **NewAssociationId** (*string*) –
  - **RequestId** (*string*) –

**nifty\_replace\_router\_latest\_version** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_replace_router_latest_version(
    Agreement=True|False,
    RouterId='string',
    RouterName='string'
)
```

### Parameters

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_replace\_vpn\_gateway\_latest\_version** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_replace_vpn_gateway_latest_version(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_restore\_instance\_snapshot** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_restore_instance_snapshot(
    InstanceSnapshotId='string',
    SnapshotName='string'
)
```

#### Parameters

- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –

**Return type** dict

## Returns

### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_restore\_router\_previous\_version** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_restore_router_previous_version(
    RouterId='string',
    RouterName='string'
)
```

### Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type *dict*

## Returns

### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_restore\_vpn\_gateway\_previous\_version** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_restore_vpn_gateway_previous_version(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

### Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type *dict*

## Returns

### Response Syntax



```
{
  'RequestId': 'string',
  'Return': True|False
}
```

**Response Structure**

- (dict) –
  - **RequestId** (string) –
  - **Return** (boolean) –

**nifty\_retry\_import\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_retry_import_instance(
    InstanceId='string'
)
```

**Parameters** **InstanceId** (string) –

**Return type** dict

**Returns**

**Response Syntax**

```
{
  'InstanceId': 'string',
  'InstanceState': 'string',
  'InstanceUniqueId': 'string',
  'RequestId': 'string'
}
```

**Response Structure**

- (dict) –
  - **InstanceId** (string) –
  - **InstanceState** (string) –
  - **InstanceUniqueId** (string) –
  - **RequestId** (string) –

**nifty\_update\_alarm** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.nifty_update_alarm(
    AlarmCondition='string',
    Description='string',
    ElasticLoadBalancerName=[
        'string',
    ],
    ElasticLoadBalancerPort=[
        123,
    ],
    ElasticLoadBalancerProtocol=[
        'string',
    ],
    EmailAddress=[
        'string',
    ],
```

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```

    ],
    FunctionName='string',
    InstanceId=[
        'string',
    ],
    LoadBalancerName=[
        'string',
    ],
    LoadBalancerPort=[
        123,
    ],
    Partition=[
        'string',
    ],
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ],
    RuleName='string',
    RuleNameUpdate='string'
)

```

### Parameters

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –  
– (*string*) –
- **ElasticLoadBalancerPort** (*list*) –  
– (*integer*) –
- **ElasticLoadBalancerProtocol** (*list*) –  
– (*string*) –
- **EmailAddress** (*list*) –  
– (*string*) –
- **FunctionName** (*string*) –
- **InstanceId** (*list*) –  
– (*string*) –
- **LoadBalancerName** (*list*) –  
– (*string*) –
- **LoadBalancerPort** (*list*) –  
– (*integer*) –
- **Partition** (*list*) –  
– (*string*) –
- **Rule** (*list*) –  
– (*dict*) –
  - \* **BreachDuration** (*integer*) –
  - \* **DataType** (*string*) –
  - \* **FromDate** (*string*) –

- \* **FunctionName** (*string*) –
- \* **RuleName** (*string*) –
- \* **Threshold** (*float*) –
- \* **ToDate** (*string*) –
- \* **UpperLowerCondition** (*string*) –
- **RuleName** (*string*) –
- **RuleNameUpdate** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_update\_auto\_scaling\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_update_auto_scaling_group(
    AutoScalingGroupName='string',
    AutoScalingGroupNameUpdate='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='string',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
    ScaleoutCondition='string',
    ScalingSchedule=[
        {
            'RequestDDayStruct': {
                'EndingDDay': 'string',
                'StartingDDay': 'string'
            },
            'RequestDayStruct': {
                'SetFriday': 'string',
                'SetMonday': 'string',
                'SetSaturday': 'string',
```

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```

        'SetSunday': 'string',
        'SetThursday': 'string',
        'SetTuesday': 'string',
        'SetWednesday': 'string'
    },
    'RequestMonthStruct': {
        'EndingMonth': 'string',
        'StartingMonth': 'string'
    },
    'RequestTimeZoneStruct': {
        'EndingTimeZone': 'string',
        'StartingTimeZone': 'string'
    }
},
],
ScalingTrigger=[
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
SecurityGroup=[
    'string',
]
)

```

### Parameters

- **AutoScalingGroupName** (*string*) –
- **AutoScalingGroupNameUpdate** (*string*) –
- **ChangeInCapacity** (*integer*) –
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) –
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
  - (*dict*) –
    - \* **InstancePort** (*integer*) –
    - \* **LoadBalancerName** (*string*) –
    - \* **LoadBalancerPort** (*integer*) –
    - \* **Name** (*string*) –
- **MaxSize** (*integer*) –
- **MinSize** (*integer*) –
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) –
- **ScalingSchedule** (*list*) –
  - (*dict*) –
    - \* **RequestDDayStruct** (*dict*) –
      - **EndingDDay** (*string*) –
      - **StartingDDay** (*string*) –
    - \* **RequestDayStruct** (*dict*) –
      - **SetFriday** (*string*) –
      - **SetMonday** (*string*) –
      - **SetSaturday** (*string*) –

- **SetSunday** (*string*) –
- **SetThursday** (*string*) –
- **SetTuesday** (*string*) –
- **SetWednesday** (*string*) –
- \* **RequestMonthStruct** (*dict*) –
  - **EndingMonth** (*string*) –
  - **StartingMonth** (*string*) –
- \* **RequestTimeZoneStruct** (*dict*) –
  - **EndingTimeZone** (*string*) –
  - **StartingTimeZone** (*string*) –
- **ScalingTrigger** (*list*) –
  - (*dict*) –
    - \* **BreachDuration** (*integer*) –
    - \* **Resource** (*string*) –
    - \* **UpperThreshold** (*float*) –
- **SecurityGroup** (*list*) –
  - (*string*) –

Return type dict

Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**nifty\_update\_elastic\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_update_elastic_load_balancer(
    AccountingTypeUpdate=123,
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerNameUpdate='string',
    NetworkVolumeUpdate=123
)
```

#### Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerNameUpdate** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type dict

Returns

#### Response Syntax

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

### Response Structure

- *(dict)* –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**nifty\_update\_instance\_network\_interfaces** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_update_instance_network_interfaces(
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    NiftyReboot='string'
)
```

### Parameters

- **InstanceId** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –
- **NiftyReboot** (*string*) –

Return type dict

Returns

### Response Syntax

```
{
    'Return': True|False
}
```

### Response Structure

- (*dict*) –
  - **Return** (*boolean*) –

**nifty\_update\_router\_network\_interfaces** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.nifty_update_router_network_interfaces(
    Agreement=True|False,
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    NiftyReboot='string',
    RouterId='string',
    RouterName='string'
)
```

### Parameters

- **Agreement** (*boolean*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –
- **NiftyReboot** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (dict) –
  - **RequestId** (string) –
  - **Return** (boolean) –

**nifty\_update\_separate\_instance\_rule** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_update_separate_instance_rule(
    SeparateInstanceRuleDescriptionUpdate='string',
    SeparateInstanceRuleName='string',
    SeparateInstanceRuleNameUpdate='string'
)
```

#### Parameters

- **SeparateInstanceRuleDescriptionUpdate** (string) –
- **SeparateInstanceRuleName** (string) –
- **SeparateInstanceRuleNameUpdate** (string) –

**Return type** dict

#### Returns

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

#### Response Structure

- (dict) –
  - **RequestId** (string) –
  - **Return** (string) –

**nifty\_update\_vpn\_gateway\_network\_interfaces** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_update_vpn_gateway_network_interfaces(
    Agreement=True|False,
    NetworkInterface={
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpConfigId': 'string',
        'DhcpOptionsId': 'string',
        'IpAddress': 'string',
        'IsVipNetwork': True|False,
        'NetworkId': 'string',
        'NetworkName': 'string',
        'RequestSecurityGroupId': [
            'string',
```

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```

    ]
  },
  NiftyReboot='string',
  NiftyVpnGatewayName='string',
  VpnGatewayId='string'
)

```

**Parameters**

- **Agreement** (*boolean*) –
- **NetworkInterface** (*dict*) –
  - **DeviceIndex** (*integer*) –
  - **Dhcp** (*boolean*) –
  - **DhcpConfigId** (*string*) –
  - **DhcpOptionsId** (*string*) –
  - **IpAddress** (*string*) –
  - **IsVipNetwork** (*boolean*) –
  - **NetworkId** (*string*) –
  - **NetworkName** (*string*) –
  - **RequestSecurityGroupId** (*list*) –
    - \* (*string*) –
- **NiftyReboot** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'Return': True|False
}

```

**Response Structure**

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**reboot\_instances** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.reboot_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData='string'
)

```

**Parameters**

- **Force** (*boolean*) –
- **InstanceId** (*list*) –
  - (*string*) –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –
  - (*string*) –
- **UserData** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**register\_corporate\_info\_for\_certificate** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.register_corporate_info_for_certificate(
    Agreement=True|False,
    AlphabetName1='string',
    AlphabetName2='string',
    City='string',
    CorpGrade='string',
    CorpName='string',
    DivisionName='string',
    EmailAddress='string',
    KanaName1='string',
    KanaName2='string',
    Name1='string',
    Name2='string',
    PhoneNumber='string',
    PostName='string',
    Pref='string',
    PresidentName1='string',
    PresidentName2='string',
    TdbCode='string',
    Zip1='string',
    Zip2='string'
)
```

#### Parameters

- **Agreement** (*boolean*) –
- **AlphabetName1** (*string*) –
- **AlphabetName2** (*string*) –
- **City** (*string*) –
- **CorpGrade** (*string*) –
- **CorpName** (*string*) –
- **DivisionName** (*string*) –

- **EmailAddress** (*string*) –
- **KanaName1** (*string*) –
- **KanaName2** (*string*) –
- **Name1** (*string*) –
- **Name2** (*string*) –
- **PhoneNumber** (*string*) –
- **PostName** (*string*) –
- **Pref** (*string*) –
- **PresidentName1** (*string*) –
- **PresidentName2** (*string*) –
- **TdbCode** (*string*) –
- **Zip1** (*string*) –
- **Zip2** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
    'City': 'string',
    'CorpGrade': 'string',
    'CorpName': 'string',
    'DivisionName': 'string',
    'KanaName1': 'string',
    'KanaName2': 'string',
    'Name1': 'string',
    'Name2': 'string',
    'PostName': 'string',
    'Pref': 'string',
    'PresidentName1': 'string',
    'PresidentName2': 'string',
    'RequestId': 'string',
    'TdbCode': 'string',
    'Zip1': 'string',
    'Zip2': 'string'
}
```

### Response Structure

- (*dict*) –
  - **City** (*string*) –
  - **CorpGrade** (*string*) –
  - **CorpName** (*string*) –
  - **DivisionName** (*string*) –
  - **KanaName1** (*string*) –
  - **KanaName2** (*string*) –
  - **Name1** (*string*) –
  - **Name2** (*string*) –
  - **PostName** (*string*) –
  - **Pref** (*string*) –
  - **PresidentName1** (*string*) –
  - **PresidentName2** (*string*) –
  - **RequestId** (*string*) –
  - **TdbCode** (*string*) –
  - **Zip1** (*string*) –
  - **Zip2** (*string*) –

`register_instances_with_load_balancer (**kwargs)`

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.register_instances_with_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

### Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
  - (*dict*) –
    - \* **InstanceId** (*string*) –
    - \* **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type `dict`

### Returns

#### Response Syntax

```
{
    'Instances': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RegisterInstancesWithLoadBalancerResult': {'... recursive_
    ↪...'},
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

#### Response Structure

- (*dict*) –
  - **Instances** (*list*) –
    - \* (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
  - **RegisterInstancesWithLoadBalancerResult** (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**register\_instances\_with\_security\_group** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```

response = client.register_instances_with_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)

```

**Parameters**

- **GroupName** (*string*)–
- **InstanceId** (*list*)–  
– (*string*)–

**Return type** dict**Returns****Response Syntax**

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {

```

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```

        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [

```

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```

        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {

```

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```

        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **InstancesSet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **Admin** (string) –
      - **AmiLaunchIndex** (string) –
      - **Architecture** (string) –
      - **Autoscaling** (dict) –
      - **AutoScalingGroupName** (string) –
      - **ExpireTime** (datetime) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –
      - **DeleteOnTermination** (boolean) –
      - **SnapshotId** (string) –



- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –

- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

**register\_port\_with\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.register_port_with_load_balancer(
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
```

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```

        'InstanceUniqueId': 'string'
    },
],
'RequestSessionStruct': {
    'RequestStickinessPolicyStruct': {
        'Enable': True|False,
        'ExpirationPeriod': 123,
        'Method': 'string'
    }
},
'RequestSorryPageStruct': {
    'Enable': True|False,
    'RedirectUrl': 'string'
},
'SSLCertificateId': 'string'
},
],
LoadBalancerName='string'
)

```

**Parameters**

- **Listeners** (*list*) –
  - (*dict*) –
    - \* **BalancingType** (*string*) –
    - \* **Description** (*string*) –
    - \* **ElasticLoadBalancerPort** (*integer*) –
    - \* **InstancePort** (*integer*) –
    - \* **LoadBalancerPort** (*integer*) –
    - \* **Protocol** (*string*) –
    - \* **RequestHealthCheckStruct** (*dict*) –
      - **Interval** (*integer*) –
      - **Target** (*string*) –
      - **UnhealthyThreshold** (*integer*) –
    - \* **RequestInstances** (*list*) –
      - (*dict*) –
      - **InstanceId** (*string*) –
      - **InstanceUniqueId** (*string*) –
    - \* **RequestSessionStruct** (*dict*) –
      - **RequestStickinessPolicyStruct** (*dict*) –
      - **Enable** (*boolean*) –
      - **ExpirationPeriod** (*integer*) –
      - **Method** (*string*) –
    - \* **RequestSorryPageStruct** (*dict*) –
      - **Enable** (*boolean*) –
      - **RedirectUrl** (*string*) –
    - \* **SSLCertificateId** (*string*) –
- **LoadBalancerName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
    'Listeners': [
```

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```

{
  'BalancingType': 123,
  'InstancePort': 123,
  'Listener': {
    'BalancingType': 123,
    'Description': 'string',
    'ElasticLoadBalancerPort': 123,
    'HealthCheck': {
      'HealthyThreshold': 123,
      'InstanceStates': [
        {
          'Description': 'string',
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'ReasonCode': 'string',
          'State': 'string'
        },
      ],
      'Interval': 123,
      'Target': 'string',
      'Timeout': 123,
      'UnhealthyThreshold': 123
    },
    'InstancePort': 123,
    'Instances': [
      {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
      },
    ],
    'LoadBalancerPort': 123,
    'Protocol': 'string',
    'SSLCertificateId': 'string',
    'SessionStickinessPolicy': {
      'Enabled': True|False,
      'ExpirationPeriod': 123,
      'Method': 123
    },
    'SorryPage': {
      'Enabled': True|False,
      'RedirectUrl': 'string',
      'StatusCode': 123
    }
  },
  'LoadBalancerPort': 123,
  'Protocol': 'string'
},
],
'RegisterPortWithLoadBalancerResult': {'... recursive ...'}
→,
'ResponseMetadata': {
  'RequestId': 'string'
}
}

```

**Response Structure**

- (dict)–

- **Listeners** (*list*) -
  - \* (*dict*) -
    - **BalancingType** (*integer*) -
    - **InstancePort** (*integer*) -
    - **Listener** (*dict*) -
    - **BalancingType** (*integer*) -
    - **Description** (*string*) -
    - **ElasticLoadBalancerPort** (*integer*) -
    - **HealthCheck** (*dict*) -
    - **HealthyThreshold** (*integer*) -
    - **InstanceStates** (*list*) -
    - (*dict*) -
    - **Description** (*string*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **ReasonCode** (*string*) -
    - **State** (*string*) -
    - **Interval** (*integer*) -
    - **Target** (*string*) -
    - **Timeout** (*integer*) -
    - **UnhealthyThreshold** (*integer*) -
    - **InstancePort** (*integer*) -
    - **Instances** (*list*) -
    - (*dict*) -
    - **InstanceId** (*string*) -
    - **InstanceUniqueId** (*string*) -
    - **LoadBalancerPort** (*integer*) -
    - **Protocol** (*string*) -
    - **SSLCertificateId** (*string*) -
    - **SessionStickinessPolicy** (*dict*) -
    - **Enabled** (*boolean*) -
    - **ExpirationPeriod** (*integer*) -
    - **Method** (*integer*) -
    - **SorryPage** (*dict*) -
    - **Enabled** (*boolean*) -
    - **RedirectUrl** (*string*) -
    - **StatusCode** (*integer*) -
    - **LoadBalancerPort** (*integer*) -
    - **Protocol** (*string*) -
  - **RegisterPortWithLoadBalancerResult** (*dict*) -
  - **ResponseMetadata** (*dict*) -
    - \* **RequestId** (*string*) -

**release\_address** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.release_address(  
    PrivateIpAddress='string',  
    PublicIp='string'  
)
```

#### Parameters

- **PrivateIpAddress** (*string*) -

- **PublicIp** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**replace\_route** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.replace_route(
    DestinationCidrBlock='string',
    IpAddress='string',
    NetworkId='string',
    NetworkName='string',
    RouteTableId='string'
)
```

#### Parameters

- **DestinationCidrBlock** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**replace\_route\_table\_association** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.replace_route_table_association(
    Agreement=True|False,
    AssociationId='string',
```

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```
RouteTableId='string'
)
```

**Parameters**

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –
- **RouteTableId** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'NewAssociationId': 'string',
  'RequestId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **NewAssociationId** (*string*) –
  - **RequestId** (*string*) –

**revoke\_security\_group\_ingress** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.revoke_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'Description': 'string',
            'FromPort': 123,
            'InOut': 'string',
            'IpProtocol': 'string',
            'RequestGroups': [
                {
                    'GroupName': 'string'
                },
            ],
            'RequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ],
)
```

**Parameters**

- **GroupName** (*string*) –
- **IpPermissions** (*list*) –
  - (*dict*) –
    - \* **Description** (*string*) –
    - \* **FromPort** (*integer*) –
    - \* **InOut** (*string*) –



- \* **IpProtocol** (*string*) –
- \* **RequestGroups** (*list*) –
  - (*dict*) –
  - **GroupName** (*string*) –
- \* **RequestIpRanges** (*list*) –
  - (*dict*) –
  - **CidrIp** (*string*) –
- \* **ToPort** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**run\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.run_instances(
    AccountingType='string',
    Admin='string',
    Agreement=True|False,
    Description='string',
    DisableApiTermination=True|False,
    ImageId='string',
    InstanceId='string',
    InstanceType='string',
    IpType='string',
    KeyName='string',
    License=[
        {
            'LicenseName': 'string',
            'LicenseNum': 'string'
        },
    ],
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        }
    ]
)
```

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```

    },
  ],
  Password='string',
  Placement={
    'AvailabilityZone': 'string',
    'RegionName': 'string'
  },
  PublicIp='string',
  SecurityGroup=[
    'string',
  ],
  UserData='string'
)

```

**Parameters**

- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **Agreement** (*boolean*) –
- **Description** (*string*) –
- **DisableApiTermination** (*boolean*) –
- **ImageId** (*string*) –
- **InstanceId** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **KeyName** (*string*) –
- **License** (*list*) –
  - (*dict*) –
    - \* **LicenseName** (*string*) –
    - \* **LicenseNum** (*string*) –
- **NetworkInterface** (*list*) –
  - (*dict*) –
    - \* **DeviceIndex** (*integer*) –
    - \* **Dhcp** (*boolean*) –
    - \* **DhcpConfigId** (*string*) –
    - \* **DhcpOptionsId** (*string*) –
    - \* **IpAddress** (*string*) –
    - \* **IsVipNetwork** (*boolean*) –
    - \* **NetworkId** (*string*) –
    - \* **NetworkName** (*string*) –
    - \* **RequestSecurityGroupId** (*list*) –
      - (*string*) –
- **Password** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
- **PublicIp** (*string*) –
- **SecurityGroup** (*list*) –
  - (*string*) –
- **UserData** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'GroupSet': [
    {
      'GroupId': 'string'
    },
  ],
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
        'Name': 'string'
      },
      'InstanceType': 'string',
      'InstanceUniqueId': 'string',
      'IpAddress': 'string',
      'IpAddressV6': 'string',
      'IpType': 'string',
      'KernelId': 'string',
      'KeyName': 'string',
      'LaunchTime': datetime(2015, 1, 1),

```

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```

'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',

```

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```

        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
}

```

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```

    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'OwnerId': 'string',
'RequestId': 'string',
'RequesterId': 'string',
'ReservationId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **GroupSet** (*list*) –
    - \* *(dict)* –
      - **GroupId** (*string*) –
  - **InstancesSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumeId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –

- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –

- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –



- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **RequestId** (*string*) –
- **RequesterId** (*string*) –
- **ReservationId** (*string*) –

`set_filter_for_load_balancer` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.set_filter_for_load_balancer(
    FilterType='string',
    IPAddresses=[
        {
            'AddOnFilter': True|False,
            'IPAddress': 'string'
        },
    ],
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

### Parameters

- **FilterType** (*string*) –
- **IPAddresses** (*list*) –
  - (*dict*) –
    - \* **AddOnFilter** (*boolean*) –

- \* **IPAddress** (*string*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'Filter': {
    'FilterType': 'string',
    'IPAddresses': [
      {
        'IPAddress': 'string'
      },
    ]
  },
  'ResponseMetadata': {
    'RequestId': 'string'
  },
  'SetFilterForLoadBalancerResult': {'... recursive ...'}
}
```

#### Response Structure

- (*dict*) –
  - **Filter** (*dict*) –
    - \* **FilterType** (*string*) –
    - \* **IPAddresses** (*list*) –
      - (*dict*) –
        - **IPAddress** (*string*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –
  - **SetFilterForLoadBalancerResult** (*dict*) –

**start\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.start_instances(
    AccountingType=[
        'string',
    ],
    InstanceId=[
        'string',
    ],
    InstanceType=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData='string'
)
```

#### Parameters

- **AccountingType** (*list*) –  
– (*string*) –
- **InstanceId** (*list*) –  
– (*string*) –
- **InstanceType** (*list*) –  
– (*string*) –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –  
– (*string*) –
- **UserData** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
```

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```

        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {

```

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```

        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],

```

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```

    },
    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        }
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

**Response Structure**

- (dict) –
  - **InstancesSet** (list) –
    - \* (dict) –
      - **AccountingType** (string) –
      - **Admin** (string) –
      - **AmiLaunchIndex** (string) –
      - **Architecture** (string) –
      - **Autoscaling** (dict) –
      - **AutoScalingGroupName** (string) –
      - **ExpireTime** (datetime) –
      - **BlockDeviceMapping** (list) –
      - (dict) –
      - **DeviceName** (string) –
      - **Ebs** (dict) –
      - **AttachTime** (datetime) –
      - **DeleteOnTermination** (boolean) –
      - **SnapshotId** (string) –
      - **Status** (string) –

- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –

- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –



- **Protocol** (*string*) –
  - **NiftyPrivateIpType** (*string*) –
  - **NiftyPrivateNetworkType** (*string*) –
  - **NiftySnapshotting** (*list*) –
  - (*dict*) –
  - **State** (*string*) –
  - **Placement** (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **RegionName** (*string*) –
  - **Platform** (*string*) –
  - **PreviousState** (*dict*) –
  - **Code** (*integer*) –
  - **Name** (*string*) –
  - **PrivateDnsName** (*string*) –
  - **PrivateIpAddress** (*string*) –
  - **PrivateIpAddressV6** (*string*) –
  - **ProductCodes** (*list*) –
  - (*dict*) –
  - **ProductCode** (*string*) –
  - **RamdiskId** (*string*) –
  - **Reason** (*string*) –
  - **RegionName** (*string*) –
  - **RootDeviceName** (*string*) –
  - **RootDeviceType** (*string*) –
  - **SpotInstanceRequestId** (*string*) –
  - **StateReason** (*dict*) –
  - **Code** (*integer*) –
  - **Message** (*string*) –
  - **SubnetId** (*string*) –
  - **Tenancy** (*string*) –
  - **VpcId** (*string*) –
- **RequestId** (*string*) –

**stop\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.stop_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

#### Parameters

- **Force** (*boolean*) –
- **InstanceId** (*list*) –
  - (*string*) –
- **Tenancy** (*list*) –
  - (*string*) –

**Return type** dict

**Returns**

**Response Syntax**

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
        'Name': 'string'
      },
      'InstanceType': 'string',
      'InstanceUniqueId': 'string',
      'IpAddress': 'string',
      'IpAddressV6': 'string',
      'IpType': 'string',
      'KernelId': 'string',
      'KeyName': 'string',
      'LaunchTime': datetime(2015, 1, 1),
      'Loadbalancing': [
        {
          'InstancePort': 123,
          'LoadBalancerName': 'string',

```

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```

        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',

```

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```

        'ProductCodes': [
            {
                'ProductCode': 'string'
            },
        ],
        'RamdiskId': 'string',
        'Reason': 'string',
        'RegionName': 'string',
        'RootDeviceName': 'string',
        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **InstancesSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –

- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Description** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –

- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –

- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

**terminate\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.terminate_instances(
    InstanceId=[
        'string',
    ]
)
```

**Parameters** **InstanceId** (*list*) –

- (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
```

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```

        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),

```

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```

        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},

```

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```

],
  'RequestId': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **InstancesSet** (*list*) –
    - \* *(dict)* –
      - **AccountingType** (*string*) –
      - **Admin** (*string*) –
      - **AmiLaunchIndex** (*string*) –
      - **Architecture** (*string*) –
      - **Autoscaling** (*dict*) –
      - **AutoScalingGroupName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **BlockDeviceMapping** (*list*) –
      - *(dict)* –
      - **DeviceName** (*string*) –
      - **Ebs** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **DeleteOnTermination** (*boolean*) –
      - **SnapshotId** (*string*) –
      - **Status** (*string*) –
      - **VolumeId** (*string*) –
      - **VolumeSize** (*integer*) –
      - **NoDevice** (*string*) –
      - **VirtualName** (*string*) –
      - **CopyInfo** (*string*) –
      - **CurrentState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **DnsName** (*string*) –
      - **ExpireTime** (*datetime*) –
      - **HotAdd** (*string*) –
      - **ImageId** (*string*) –
      - **ImageName** (*string*) –
      - **InstanceId** (*string*) –
      - **InstanceLifecycle** (*string*) –
      - **InstanceState** (*dict*) –
      - **Code** (*integer*) –
      - **Name** (*string*) –
      - **InstanceType** (*string*) –
      - **InstanceUniqueId** (*string*) –
      - **IpAddress** (*string*) –
      - **IpAddressV6** (*string*) –
      - **IpType** (*string*) –
      - **KernelId** (*string*) –
      - **KeyName** (*string*) –
      - **LaunchTime** (*datetime*) –
      - **Loadbalancing** (*list*) –
      - *(dict)* –

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –

- **VpcId** (*string*) –
- **RequestId** (*string*) –

**update\_load\_balancer** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.update_load_balancer(
    AccountingTypeUpdate=123,
    ListenerUpdate={
        'InstancePort': 123,
        'LoadBalancerPort': 123,
        'RequestListenerStruct': {
            'BalancingType': 'string',
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string'
        }
    },
    LoadBalancerName='string',
    NetworkVolumeUpdate=123
)
```

#### Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ListenerUpdate** (*dict*) –
  - **InstancePort** (*integer*) –
  - **LoadBalancerPort** (*integer*) –
  - **RequestListenerStruct** (*dict*) –
    - \* **BalancingType** (*string*) –
    - \* **InstancePort** (*integer*) –
    - \* **LoadBalancerPort** (*integer*) –
    - \* **Protocol** (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type `dict`

#### Returns

##### Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

##### Response Structure

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**update\_load\_balancer\_option** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```

response = client.update_load_balancer_option(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123,
    SessionStickinessPolicyUpdate={
        'Enable': True|False,
        'ExpirationPeriod': 123
    },
    SorryPageUpdate={
        'Enable': True|False,
        'StatusCode': 123
    }
)

```

**Parameters**

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **SessionStickinessPolicyUpdate** (*dict*) –
  - **Enable** (*boolean*) –
  - **ExpirationPeriod** (*integer*) –
- **SorryPageUpdate** (*dict*) –
  - **Enable** (*boolean*) –
  - **StatusCode** (*integer*) –

**Return type** dict

**Returns****Response Syntax**

```

{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}

```

**Response Structure**

- (*dict*) –
  - **ResponseMetadata** (*dict*) –
    - \* **RequestId** (*string*) –

**update\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.update_security_group(
    GroupDescriptionUpdate='string',
    GroupLogLimitUpdate=123,
    GroupName='string',
    GroupNameUpdate='string'
)

```

**Parameters**

- **GroupDescriptionUpdate** (*string*) –
- **GroupLogLimitUpdate** (*integer*) –
- **GroupName** (*string*) –
- **GroupNameUpdate** (*string*) –



**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**update\_security\_group\_option** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.update_security_group_option(
    SecurityGroupLimitUpdate=123
)
```

**Parameters** **SecurityGroupLimitUpdate** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

#### Response Structure

- (*dict*) –
  - **RequestId** (*string*) –
  - **Return** (*boolean*) –

**upload\_ssl\_certificate** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.upload_ssl_certificate(
    Ca='string',
    Certificate='string',
    Key='string'
)
```

**Parameters**

- **Ca** (*string*) –
- **Certificate** (*string*) –
- **Key** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'Fqdn': 'string',
  'FqdnId': 'string',
  'KeyFingerprint': 'string',
  'RequestId': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **Fqdn** (*string*) –
  - **FqdnId** (*string*) –
  - **KeyFingerprint** (*string*) –
  - **RequestId** (*string*) –

## 1.1.2 Waiters

The available waiters are:

- `computing.Waiter.InstanceDeleted`
- `computing.Waiter.InstanceExists`
- `computing.Waiter.InstanceRunning`
- `computing.Waiter.InstanceStopped`

**class** `computing.Waiter.InstanceDeleted`

```
waiter = client.get_waiter('instance_deleted')
```

**wait** (*\*\*kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

**Request Syntax**

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

**Parameters**

- **InstanceId** (*list*) –
  - (*string*) –
- **Tenancy** (*list*) –
  - (*string*) –

- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** (*integer*) –  
The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** (*integer*) –  
The maximum number of attempts to be made. Default: 40

**Returns** None

**class** `computing.Waiter.InstanceExists`

```
waiter = client.get_waiter('instance_exists')
```

**wait** (*\*\*kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

#### Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

#### Parameters

- **InstanceId** (*list*) –
  - (*string*) –
- **Tenancy** (*list*) –
  - (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** (*integer*) –  
The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** (*integer*) –  
The maximum number of attempts to be made. Default: 40

**Returns** None

**class** `computing.Waiter.InstanceRunning`

```
waiter = client.get_waiter('instance_running')
```

**wait** (*\*\*kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

### Request Syntax

```
waiter.wait(  
    InstanceId=[  
        'string',  
    ],  
    Tenancy=[  
        'string',  
    ],  
    WaiterConfig={  
        'Delay': 123,  
        'MaxAttempts': 123  
    }  
)
```

#### Parameters

- **InstanceId** (*list*) –
  - (*string*) –
- **Tenancy** (*list*) –
  - (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** (*integer*) –  
The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** (*integer*) –  
The maximum number of attempts to be made. Default: 40

**Returns** None

**class** `computing.Waiter.InstanceStopped`

```
waiter = client.get_waiter('instance_stopped')
```

**wait** (*\*\*kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

### Request Syntax

```
waiter.wait(  
    InstanceId=[  
        'string',  
    ],  
    Tenancy=[  
        'string',  
    ],  
    WaiterConfig={  
        'Delay': 123,  
        'MaxAttempts': 123  
    }  
)
```

#### Parameters

- **InstanceId** (*list*) –

- (*string*)-
- **Tenancy** (*list*)-
  - (*string*)-
- **WaiterConfig** (*dict*)- A dictionary that provides parameters to control waiting behavior.
  - **Delay** (*integer*)-
    - The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** (*integer*)-
    - The maximum number of attempts to be made. Default: 40

**Returns** None

## 1.2 nas

### Table of Contents

- *nas*
  - *Client*

### 1.2.1 Client

**class** `nas.Client`

A low-level client representing NIFCLOUD NAS:

```
client = session.create_client('nas')
```

These are the available methods:

- `authorize_nas_security_group_ingress()`
- `can_paginate()`
- `create_nas_instance()`
- `create_nas_security_group()`
- `delete_nas_instance()`
- `delete_nas_security_group()`
- `describe_nas_instances()`
- `describe_nas_security_groups()`
- `generate_presigned_url()`
- `get_metric_statistics()`
- `get_paginator()`
- `get_waiter()`
- `modify_nas_instance()`
- `modify_nas_security_group()`
- `revoke_nas_security_group_ingress()`

**authorize\_nas\_security\_group\_ingress** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.authorize_nas_security_group_ingress(
    CIDRIP='string',
    NASSecurityGroupName='string',
```

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```
SecurityGroupName='string'
)
```

**Parameters**

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **SecurityGroupName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  ]
}
```

**Response Structure**

- (*dict*) –
  - **NASSecurityGroup** (*dict*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NASSecurityGroupDescription** (*string*) –
    - \* **NASSecurityGroupName** (*string*) –
    - \* **OwnerId** (*string*) –
    - \* **SecurityGroups** (*list*) –
      - (*dict*) –
      - **SecurityGroupName** (*string*) –
      - **SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –

**can\_paginate** (*operation\_name*)

Check if an operation can be paginated.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`,

if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Returns** True if the operation can be paginated, False otherwise.

**create\_nas\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_nas_instance(
    AllocatedStorage=123,
    AvailabilityZone='string',
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    MasterUsername='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASInstanceType=123,
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    Protocol='string'
)
```

#### Parameters

- **AllocatedStorage** (*integer*) –
- **AvailabilityZone** (*string*) –
- **MasterPrivateAddress** (*string*) –
- **MasterUserPassword** (*string*) –
- **MasterUsername** (*string*) –
- **NASInstanceDescription** (*string*) –
- **NASInstanceIdentifier** (*string*) –
- **NASInstanceType** (*integer*) –
- **NASSecurityGroups** (*list*) –  
– (*string*) –
- **NetworkId** (*string*) –
- **Protocol** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'NASInstance': {
    'AllocatedStorage': 'string',
    'AuthenticationType': 123,
    'AvailabilityZone': 'string',
    'CreateTime': 'string',
    'DirectoryServiceDomainName': 'string',
    'DomainControllers': [
      {
        'Hostname': 'string',
        'IPAddress': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
```

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```

        'PrivateAddress': 'string'
    },
    'MasterUsername': 'string',
    'NASInstanceClass': 'string',
    'NASInstanceDescription': 'string',
    'NASInstanceErrorInfo': {
        'NASInstanceErrorCode': 'string',
        'NASInstanceErrorMessage': 'string'
    },
    'NASInstanceIdentifier': 'string',
    'NASInstanceStatus': 'string',
    'NASInstanceType': 123,
    'NASSecurityGroups': [
        {
            'AvailabilityZone': 'string',
            'IPRanges': [
                {
                    'CIDRIP': 'string',
                    'Status': 'string'
                }
            ],
            'NASSecurityGroupDescription': 'string',
            'NASSecurityGroupName': 'string',
            'OwnerId': 'string',
            'SecurityGroups': [
                {
                    'SecurityGroupName': 'string',
                    'SecurityGroupOwnerId': 'string',
                    'Status': 'string'
                }
            ]
        }
    ],
    'NetworkId': 'string',
    'NoRootSquash': 'string',
    'Protocol': 'string',
    'StorageType': 123
}

```

**Response Structure**

- (dict) –
  - **NASInstance** (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AuthenticationType** (integer) –
    - \* **AvailabilityZone** (string) –
    - \* **CreateTime** (string) –
    - \* **DirectoryServiceDomainName** (string) –
    - \* **DomainControllers** (list) –
      - (dict) –
      - **Hostname** (string) –
      - **IPAddress** (string) –
    - \* **Endpoint** (dict) –
      - **Address** (string) –
      - **PrivateAddress** (string) –
    - \* **MasterUsername** (string) –



- \* **NASInstanceClass** (*string*) –
- \* **NASInstanceDescription** (*string*) –
- \* **NASInstanceErrorInfo** (*dict*) –
  - **NASInstanceErrorCode** (*string*) –
  - **NASInstanceErrorMessage** (*string*) –
- \* **NASInstanceIdentifier** (*string*) –
- \* **NASInstanceStatus** (*string*) –
- \* **NASInstanceType** (*integer*) –
- \* **NASSecurityGroups** (*list*) –
  - (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **IPRanges** (*list*) –
  - (*dict*) –
  - **CIDRIP** (*string*) –
  - **Status** (*string*) –
  - **NASSecurityGroupDescription** (*string*) –
  - **NASSecurityGroupName** (*string*) –
  - **OwnerId** (*string*) –
  - **SecurityGroups** (*list*) –
  - (*dict*) –
  - **SecurityGroupName** (*string*) –
  - **SecurityGroupOwnerId** (*string*) –
  - **Status** (*string*) –
- \* **NetworkId** (*string*) –
- \* **NoRootSquash** (*string*) –
- \* **Protocol** (*string*) –
- \* **StorageType** (*integer*) –

**create\_nas\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_nas_security_group(
    AvailabilityZone='string',
    NASSecurityGroupDescription='string',
    NASSecurityGroupName='string'
)
```

#### Parameters

- **AvailabilityZone** (*string*) –
- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) –

Return type dict

#### Returns

##### Response Syntax

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
  },
}
```

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```

    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
        {
            'SecurityGroupName': 'string',
            'SecurityGroupOwnerId': 'string',
            'Status': 'string'
        },
    ]
}

```

**Response Structure**

- (*dict*) –
  - **NASSecurityGroup** (*dict*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NASSecurityGroupDescription** (*string*) –
    - \* **NASSecurityGroupName** (*string*) –
    - \* **OwnerId** (*string*) –
    - \* **SecurityGroups** (*list*) –
      - (*dict*) –
      - **SecurityGroupName** (*string*) –
      - **SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –

**delete\_nas\_instance** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_nas_instance(
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    NASInstanceIdentifier='string'
)

```

**Parameters**

- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **NASInstanceIdentifier** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
    'NASInstance': {
        'AllocatedStorage': 'string',
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',

```

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```

'CreateTime': 'string',
'DirectoryServiceDomainName': 'string',
'DomainControllers': [
  {
    'Hostname': 'string',
    'IPAddress': 'string'
  },
],
'Endpoint': {
  'Address': 'string',
  'PrivateAddress': 'string'
},
'MasterUsername': 'string',
'NASInstanceClass': 'string',
'NASInstanceDescription': 'string',
'NASInstanceErrorInfo': {
  'NASInstanceErrorCode': 'string',
  'NASInstanceErrorMessage': 'string'
},
'NASInstanceIdentifier': 'string',
'NASInstanceStatus': 'string',
'NASInstanceType': 123,
'NASSecurityGroups': [
  {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  },
],
'NetworkId': 'string',
'NoRootSquash': 'string',
'Protocol': 'string',
'StorageType': 123
}

```

**Response Structure**

- (*dict*) –
  - **NASInstance** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AuthenticationType** (*integer*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **CreateTime** (*string*) –

- \* **DirectoryServiceDomainName** (*string*) –
- \* **DomainControllers** (*list*) –
  - (*dict*) –
  - **Hostname** (*string*) –
  - **IPAddress** (*string*) –
- \* **Endpoint** (*dict*) –
  - **Address** (*string*) –
  - **PrivateAddress** (*string*) –
- \* **MasterUsername** (*string*) –
- \* **NASInstanceClass** (*string*) –
- \* **NASInstanceDescription** (*string*) –
- \* **NASInstanceErrorInfo** (*dict*) –
  - **NASInstanceErrorCode** (*string*) –
  - **NASInstanceErrorMessage** (*string*) –
- \* **NASInstanceIdentifier** (*string*) –
- \* **NASInstanceStatus** (*string*) –
- \* **NASInstanceType** (*integer*) –
- \* **NASSecurityGroups** (*list*) –
  - (*dict*) –
  - **AvailabilityZone** (*string*) –
  - **IPRanges** (*list*) –
  - (*dict*) –
  - **CIDRIP** (*string*) –
  - **Status** (*string*) –
  - **NASSecurityGroupDescription** (*string*) –
  - **NASSecurityGroupName** (*string*) –
  - **OwnerId** (*string*) –
  - **SecurityGroups** (*list*) –
  - (*dict*) –
  - **SecurityGroupName** (*string*) –
  - **SecurityGroupOwnerId** (*string*) –
  - **Status** (*string*) –
- \* **NetworkId** (*string*) –
- \* **NoRootSquash** (*string*) –
- \* **Protocol** (*string*) –
- \* **StorageType** (*integer*) –

**delete\_nas\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_nas_security_group(  
    NASSecurityGroupName='string'  
)
```

**Parameters** **NASSecurityGroupName** (*string*) –

**Returns** None

**describe\_nas\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_nas_instances(  
    NASInstanceIdentifier='string'
```

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)

**Parameters** `NASInstanceIdentifier` (*string*)–**Return type** dict**Returns****Response Syntax**

```

{
  'NASInstances': [
    {
      'AllocatedStorage': 'string',
      'AuthenticationType': 123,
      'AvailabilityZone': 'string',
      'CreateTime': 'string',
      'DirectoryServiceDomainName': 'string',
      'DomainControllers': [
        {
          'Hostname': 'string',
          'IPAddress': 'string'
        },
      ],
      'Endpoint': {
        'Address': 'string',
        'PrivateAddress': 'string'
      },
      'MasterUsername': 'string',
      'NASInstanceClass': 'string',
      'NASInstanceDescription': 'string',
      'NASInstanceErrorInfo': {
        'NASInstanceErrorCode': 'string',
        'NASInstanceErrorMessage': 'string'
      },
      'NASInstanceIdentifier': 'string',
      'NASInstanceStatus': 'string',
      'NASInstanceType': 123,
      'NASSecurityGroups': [
        {
          'AvailabilityZone': 'string',
          'IPRanges': [
            {
              'CIDRIP': 'string',
              'Status': 'string'
            },
          ],
          'NASSecurityGroupDescription': 'string',
          'NASSecurityGroupName': 'string',
          'OwnerId': 'string',
          'SecurityGroups': [
            {
              'SecurityGroupName': 'string',
              'SecurityGroupOwnerId': 'string',
              'Status': 'string'
            },
          ],
        },
      ],
    },
  ],
}

```

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```

        'NetworkId': 'string',
        'NoRootSquash': 'string',
        'Protocol': 'string',
        'StorageType': 123
    },
]
}

```

**Response Structure**

- (dict) –
  - **NASInstances** (list) –
    - \* (dict) –
      - **AllocatedStorage** (string) –
      - **AuthenticationType** (integer) –
      - **AvailabilityZone** (string) –
      - **CreateTime** (string) –
      - **DirectoryServiceDomainName** (string) –
      - **DomainControllers** (list) –
      - (dict) –
      - **Hostname** (string) –
      - **IPAddress** (string) –
      - **Endpoint** (dict) –
      - **Address** (string) –
      - **PrivateAddress** (string) –
      - **MasterUsername** (string) –
      - **NASInstanceClass** (string) –
      - **NASInstanceDescription** (string) –
      - **NASInstanceErrorInfo** (dict) –
      - **NASInstanceErrorCode** (string) –
      - **NASInstanceErrorMessage** (string) –
      - **NASInstanceIdentifier** (string) –
      - **NASInstanceStatus** (string) –
      - **NASInstanceType** (integer) –
      - **NASSecurityGroups** (list) –
      - (dict) –
      - **AvailabilityZone** (string) –
      - **IPRanges** (list) –
      - (dict) –
      - **CIDRIP** (string) –
      - **Status** (string) –
      - **NASSecurityGroupDescription** (string) –
      - **NASSecurityGroupName** (string) –
      - **OwnerId** (string) –
      - **SecurityGroups** (list) –
      - (dict) –
      - **SecurityGroupName** (string) –
      - **SecurityGroupOwnerId** (string) –
      - **Status** (string) –
      - **NetworkId** (string) –
      - **NoRootSquash** (string) –
      - **Protocol** (string) –
      - **StorageType** (integer) –

`describe_nas_security_groups` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_nas_security_groups(
    NASSecurityGroupName='string'
)
```

**Parameters** `NASSecurityGroupName` (*string*)–

**Return type** dict

**Returns**

### Response Syntax

```
{
  'NASSecurityGroups': [
    {
      'AvailabilityZone': 'string',
      'IPRanges': [
        {
          'CIDRIP': 'string',
          'Status': 'string'
        },
      ],
      'NASSecurityGroupDescription': 'string',
      'NASSecurityGroupName': 'string',
      'OwnerId': 'string',
      'SecurityGroups': [
        {
          'SecurityGroupName': 'string',
          'SecurityGroupOwnerId': 'string',
          'Status': 'string'
        },
      ],
    },
  ]
}
```

### Response Structure

- (*dict*) –
  - **NASSecurityGroups** (*list*) –
    - \* (*dict*) –
      - **AvailabilityZone** (*string*) –
      - **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
      - **NASSecurityGroupDescription** (*string*) –
      - **NASSecurityGroupName** (*string*) –
      - **OwnerId** (*string*) –
      - **SecurityGroups** (*list*) –
      - (*dict*) –
      - **SecurityGroupName** (*string*) –
      - **SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –

**generate\_presigned\_url** (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

**Parameters**

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to `ClientMethod`.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

**Returns** The presigned url

`get_metric_statistics` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.get_metric_statistics(  
    Dimensions=[  
        {  
            'Name': 'string',  
            'Value': 'string'  
        },  
    ],  
    EndTime=datetime(2015, 1, 1),  
    MetricName='string',  
    StartTime=datetime(2015, 1, 1)  
)
```

**Parameters**

- **Dimensions** (*list*) –
  - (*dict*) –
    - \* **Name** (*string*) –
    - \* **Value** (*string*) –
- **EndTime** (*datetime*) –
- **MetricName** (*string*) –
- **StartTime** (*datetime*) –

**Return type** dict

**Returns**

**Response Syntax**

```
{  
    'Datapoints': [  
        {  
            'SampleCount': 'string',  
            'Sum': 'string',  
            'TargetName': 'string',  
            'Timestamp': 'string'  
        },  
    ],  
    'Label': 'string'  
}
```

**Response Structure**

- (*dict*) –
  - **Datapoints** (*list*) –
    - \* (*dict*) –
      - **SampleCount** (*string*) –
      - **Sum** (*string*) –
      - **TargetName** (*string*) –



- **Timestamp** (*string*) –
- **Label** (*string*) –

**get\_paginator** (*operation\_name*)

Create a paginator for an operation.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Raises** **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

**Return type** L{botocore.paginate.Paginator}

**Returns** A paginator object.

**get\_waiter** (*waiter\_name*)

Returns an object that can wait for some condition.

**Parameters** **waiter\_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

**Returns** The specified waiter object.

**Return type** botocore.waiter.Waiter

**modify\_nas\_instance** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.modify_nas_instance(
    AllocatedStorage=123,
    AuthenticationType=123,
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    DirectoryServiceDomainName='string',
    DomainControllers=[
        {
            'Hostname': 'string',
            'IPAddress': 'string'
        },
    ],
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    NewNASInstanceIdentifier='string'
)
```

**Parameters**

- **AllocatedStorage** (*integer*) –
- **AuthenticationType** (*integer*) –
- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **DirectoryServiceDomainName** (*string*) –
- **DomainControllers** (*list*) –
  - (*dict*) –

- \* **Hostname** (*string*)–
- \* **IPAddress** (*string*)–
- **MasterPrivateAddress** (*string*)–
- **MasterUserPassword** (*string*)–
- **NASInstanceDescription** (*string*)–
- **NASInstanceIdentifier** (*string*)–
- **NASSecurityGroups** (*list*)–  
– (*string*)–
- **NetworkId** (*string*)–
- **NewNASInstanceIdentifier** (*string*)–

**Return type** dict

**Returns**

### Response Syntax

```
{
  'NASInstance': {
    'AllocatedStorage': 'string',
    'AuthenticationType': 123,
    'AvailabilityZone': 'string',
    'CreateTime': 'string',
    'DirectoryServiceDomainName': 'string',
    'DomainControllers': [
      {
        'Hostname': 'string',
        'IPAddress': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'PrivateAddress': 'string'
    },
    'MasterUsername': 'string',
    'NASInstanceClass': 'string',
    'NASInstanceDescription': 'string',
    'NASInstanceErrorInfo': {
      'NASInstanceErrorCode': 'string',
      'NASInstanceErrorMessage': 'string'
    },
    'NASInstanceIdentifier': 'string',
    'NASInstanceStatus': 'string',
    'NASInstanceType': 123,
    'NASSecurityGroups': [
      {
        'AvailabilityZone': 'string',
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
          {
            'SecurityGroupName': 'string',
```

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```

        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
    },
    ],
    ],
    'NetworkId': 'string',
    'NoRootSquash': 'string',
    'Protocol': 'string',
    'StorageType': 123
}
}

```

**Response Structure**

- (dict) –
  - **NASInstance** (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AuthenticationType** (integer) –
    - \* **AvailabilityZone** (string) –
    - \* **CreateTime** (string) –
    - \* **DirectoryServiceDomainName** (string) –
    - \* **DomainControllers** (list) –
      - (dict) –
      - **Hostname** (string) –
      - **IPAddress** (string) –
    - \* **Endpoint** (dict) –
      - **Address** (string) –
      - **PrivateAddress** (string) –
    - \* **MasterUsername** (string) –
    - \* **NASInstanceClass** (string) –
    - \* **NASInstanceDescription** (string) –
    - \* **NASInstanceErrorInfo** (dict) –
      - **NASInstanceErrorCode** (string) –
      - **NASInstanceErrorMessage** (string) –
    - \* **NASInstanceIdentifier** (string) –
    - \* **NASInstanceStatus** (string) –
    - \* **NASInstanceType** (integer) –
    - \* **NASSecurityGroups** (list) –
      - (dict) –
      - **AvailabilityZone** (string) –
      - **IPRanges** (list) –
        - (dict) –
        - **CIDRIP** (string) –
        - **Status** (string) –
      - **NASSecurityGroupDescription** (string) –
      - **NASSecurityGroupName** (string) –
      - **OwnerId** (string) –
      - **SecurityGroups** (list) –
        - (dict) –
        - **SecurityGroupName** (string) –
        - **SecurityGroupOwnerId** (string) –
        - **Status** (string) –
    - \* **NetworkId** (string) –
    - \* **NoRootSquash** (string) –

- \* **Protocol** (*string*) –
- \* **StorageType** (*integer*) –

**modify\_nas\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.modify_nas_security_group(  
    NASSecurityGroupDescription='string',  
    NASSecurityGroupName='string',  
    NewNASSecurityGroupName='string'  
)
```

### Parameters

- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **NewNASSecurityGroupName** (*string*) –

Return type dict

### Returns

### Response Syntax

```
{  
    'NASSecurityGroup': {  
        'AvailabilityZone': 'string',  
        'IPRanges': [  
            {  
                'CIDRIP': 'string',  
                'Status': 'string'  
            },  
        ],  
        'NASSecurityGroupDescription': 'string',  
        'NASSecurityGroupName': 'string',  
        'OwnerId': 'string',  
        'SecurityGroups': [  
            {  
                'SecurityGroupName': 'string',  
                'SecurityGroupOwnerId': 'string',  
                'Status': 'string'  
            },  
        ],  
    }  
}
```

### Response Structure

- (*dict*) –
  - **NASSecurityGroup** (*dict*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NASSecurityGroupDescription** (*string*) –
    - \* **NASSecurityGroupName** (*string*) –
    - \* **OwnerId** (*string*) –
    - \* **SecurityGroups** (*list*) –
      - (*dict*) –

- **SecurityGroupName** (*string*) –
- **SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –

**revoke\_nas\_security\_group\_ingress** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.revoke_nas_security_group_ingress(
    CIDRIP='string',
    NASSecurityGroupName='string',
    SecurityGroupName='string'
)
```

#### Parameters

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **SecurityGroupName** (*string*) –

Return type dict

#### Returns

#### Response Syntax

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  }
}
```

#### Response Structure

- (*dict*) –
  - **NASSecurityGroup** (*dict*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NASSecurityGroupDescription** (*string*) –
    - \* **NASSecurityGroupName** (*string*) –
    - \* **OwnerId** (*string*) –
    - \* **SecurityGroups** (*list*) –

- (*dict*) –
- **SecurityGroupName** (*string*) –
- **SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –

## 1.3 rdb

### Table of Contents

- *rdb*
  - *Client*

### 1.3.1 Client

#### **class** `rdb.Client`

A low-level client representing NIFCLOUD RDB:

```
client = session.create_client('rdb')
```

These are the available methods:

- `add_source_identifier_to_subscription()`
- `authorize_db_security_group_ingress()`
- `can_paginate()`
- `copy_db_snapshot()`
- `create_db_instance()`
- `create_db_instance_read_replica()`
- `create_db_parameter_group()`
- `create_db_security_group()`
- `create_db_snapshot()`
- `create_event_subscription()`
- `delete_db_instance()`
- `delete_db_parameter_group()`
- `delete_db_security_group()`
- `delete_db_snapshot()`
- `delete_event_subscription()`
- `describe_db_engine_versions()`
- `describe_db_instances()`
- `describe_db_log_files()`
- `describe_db_parameter_groups()`
- `describe_db_parameters()`
- `describe_db_security_groups()`
- `describe_db_snapshots()`
- `describe_engine_default_parameters()`
- `describe_event_categories()`
- `describe_event_subscriptions()`
- `describe_events()`
- `describe_orderable_db_instance_options()`
- `download_db_log_file_portion()`
- `generate_presigned_url()`

- `get_paginator()`
  - `get_waiter()`
  - `modify_db_instance()`
  - `modify_db_parameter_group()`
  - `modify_event_subscription()`
  - `nifty_failover_db_instance()`
  - `nifty_get_metric_statistics()`
  - `reboot_db_instance()`
  - `remove_source_identifier_from_subscription()`
  - `reset_db_parameter_group()`
  - `restore_db_instance_from_db_snapshot()`
  - `restore_db_instance_to_point_in_time()`
  - `revoke_db_security_group_ingress()`
- add\_source\_identifier\_to\_subscription** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.add_source_identifier_to_subscription(
    SourceIdentifier='string',
    SubscriptionName='string'
)
```

### Parameters

- **SourceIdentifier** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict

### Returns

### Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **EventSubscription** (*dict*) –
    - \* **CustSubscriptionId** (*string*) –
    - \* **Enabled** (*string*) –
    - \* **EventCategoriesList** (*list*) –

- (string) –
- \* **NiftyDescription** (string) –
- \* **NiftyEmailAddressesList** (list) –
  - (string) –
- \* **SourceIdsList** (list) –
  - (string) –
- \* **SourceType** (string) –
- \* **Status** (string) –
- \* **SubscriptionCreationTime** (string) –

**authorize\_db\_security\_group\_ingress** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.authorize_db_security_group_ingress(  
    CIDRIP='string',  
    DBSecurityGroupName='string',  
    EC2SecurityGroupName='string'  
)
```

#### Parameters

- **CIDRIP** (string) –
- **DBSecurityGroupName** (string) –
- **EC2SecurityGroupName** (string) –

Return type dict

#### Returns

#### Response Syntax

```
{  
    'DBSecurityGroup': {  
        'DBSecurityGroupDescription': 'string',  
        'DBSecurityGroupName': 'string',  
        'EC2SecurityGroups': [  
            {  
                'EC2SecurityGroupName': 'string',  
                'EC2SecurityGroupOwnerId': 'string',  
                'Status': 'string'  
            },  
        ],  
        'IPRanges': [  
            {  
                'CIDRIP': 'string',  
                'Status': 'string'  
            },  
        ],  
        'NiftyAvailabilityZone': 'string',  
        'OwnerId': 'string'  
    }  
}
```

#### Response Structure

- (dict) –
  - **DBSecurityGroup** (dict) –
    - \* **DBSecurityGroupDescription** (string) –
    - \* **DBSecurityGroupName** (string) –
    - \* **EC2SecurityGroups** (list) –



- (*dict*) –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –
- \* **IPRanges** (*list*) –
  - (*dict*) –
  - **CIDRIP** (*string*) –
  - **Status** (*string*) –
- \* **NiftyAvailabilityZone** (*string*) –
- \* **OwnerId** (*string*) –

**can\_paginate** (*operation\_name*)

Check if an operation can be paginated.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Returns** True if the operation can be paginated, False otherwise.

**copy\_db\_snapshot** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.copy_db_snapshot(
    SourceDBSnapshotIdentifier='string',
    TargetDBSnapshotIdentifier='string'
)
```

#### Parameters

- **SourceDBSnapshotIdentifier** (*string*) –
- **TargetDBSnapshotIdentifier** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DBSnapshot': {
    'AllocatedStorage': 'string',
    'AvailabilityZone': 'string',
    'DBInstanceIdentifier': 'string',
    'DBSnapshotIdentifier': 'string',
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'OptionGroupName': 'string',
    'Port': 'string',
    'SnapshotCreateTime': 'string',
    'SnapshotType': 'string',
    'Status': 'string'
  }
}
```

#### Response Structure

- *(dict)* –
  - **DBSnapshot** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **DBInstanceIdentifier** (*string*) –
    - \* **DBSnapshotIdentifier** (*string*) –
    - \* **Engine** (*string*) –
    - \* **EngineVersion** (*string*) –
    - \* **InstanceCreateTime** (*string*) –
    - \* **LicenseModel** (*string*) –
    - \* **MasterUsername** (*string*) –
    - \* **OptionGroupName** (*string*) –
    - \* **Port** (*string*) –
    - \* **SnapshotCreateTime** (*string*) –
    - \* **SnapshotType** (*string*) –
    - \* **Status** (*string*) –

**create\_db\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_db_instance(
    AllocatedStorage=123,
    AvailabilityZone='string',
    BackupRetentionPeriod=123,
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBName='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    Engine='string',
    EngineVersion='string',
    LicenseModel='string',
    MasterUserPassword='string',
    MasterUsername='string',
    MultiAZ=True|False,
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftyReadReplicaDBInstanceIdentifier='string',
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    Port=123,
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string',
    PubliclyAccessible=True|False
)
```

### Parameters

- **AllocatedStorage** (*integer*) –
- **AvailabilityZone** (*string*) –
- **BackupRetentionPeriod** (*integer*) –
- **DBInstanceClass** (*string*) –

- **DBInstanceIdentifier** (*string*) –
- **DBName** (*string*) –
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –  
– (*string*) –
- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **LicenseModel** (*string*) –
- **MasterUserPassword** (*string*) –
- **MasterUsername** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **Port** (*integer*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **PubliclyAccessible** (*boolean*) –

Return type dict

Returns

#### Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      },
    ],
  },
}
```

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```

        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',

```

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```

        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

**Response Structure**

- (dict) –
  - DBInstance (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AutoMinorVersionUpgrade** (boolean) –
    - \* **AvailabilityZone** (string) –
    - \* **BackupRetentionPeriod** (string) –
    - \* **DBInstanceClass** (string) –
    - \* **DBInstanceIdentifier** (string) –
    - \* **DBInstanceStatus** (string) –
    - \* **DBName** (string) –
    - \* **DBParameterGroups** (list) –
      - (dict) –
      - **DBParameterGroupFamily** (string) –
      - **DBParameterGroupName** (string) –
      - **Description** (string) –
    - \* **DBSecurityGroups** (list) –
      - (dict) –
      - **DBSecurityGroupDescription** (string) –
      - **DBSecurityGroupName** (string) –
      - **EC2SecurityGroups** (list) –
        - (dict) –
        - **EC2SecurityGroupName** (string) –
        - **EC2SecurityGroupOwnerId** (string) –
        - **Status** (string) –
        - **IPRanges** (list) –
          - (dict) –
          - **CIDRIP** (string) –
          - **Status** (string) –
          - **NiftyAvailabilityZone** (string) –
          - **OwnerId** (string) –
    - \* **Endpoint** (dict) –
      - **Address** (string) –
      - **NiftyPrivateAddress** (string) –
      - **Port** (string) –
    - \* **Engine** (string) –
    - \* **EngineVersion** (string) –
    - \* **InstanceCreateTime** (string) –
    - \* **LatestRestorableTime** (string) –
    - \* **LicenseModel** (string) –
    - \* **MasterUsername** (string) –
    - \* **MultiAZ** (string) –

- \* **NiftyMasterPrivateAddress** (*string*) –
- \* **NiftyMultiAZType** (*string*) –
- \* **NiftyNetworkId** (*string*) –
- \* **NiftySlavePrivateAddress** (*string*) –
- \* **NiftyStorageType** (*integer*) –
- \* **OptionGroupMemberships** (*list*) –
  - (*dict*) –
  - **OptionGroupName** (*string*) –
  - **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

`create_db_instance_read_replica` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_db_instance_read_replica(  
    DBInstanceClass='string',  
    DBInstanceIdentifier='string',  
    NiftyReadReplicaPrivateAddress='string',  
    NiftyStorageType=123,  
    SourceDBInstanceIdentifier='string'  
)
```

### Parameters

- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **SourceDBInstanceIdentifier** (*string*) –

**Return type** dict

**Returns****Response Syntax**

```

{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',

```

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```

'NiftyStorageType': 123,
'OptionGroupMemberships': [
  {
    'OptionGroupName': 'string',
    'Status': 'string'
  },
],
'PendingModifiedValues': {
  'AllocatedStorage': 'string',
  'BackupRetentionPeriod': 'string',
  'DBInstanceClass': 'string',
  'DBInstanceIdentifier': 'string',
  'EngineVersion': 'string',
  'MasterUserPassword': 'string',
  'MultiAZ': 'string',
  'NiftyMultiAZType': 'string',
  'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
  {
    'ReadReplicaDBInstanceIdentifier': 'string'
  },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
  {
    'Message': 'string',
    'Normal': True|False,
    'Status': 'string',
    'StatusType': 'string'
  },
],
'VpcSecurityGroups': [
  {},
]
}

```

**Response Structure**

- (dict) –
  - DBInstance (dict) –
    - \* AllocatedStorage (string) –
    - \* AutoMinorVersionUpgrade (boolean) –
    - \* AvailabilityZone (string) –
    - \* BackupRetentionPeriod (string) –
    - \* DBInstanceClass (string) –
    - \* DBInstanceIdentifier (string) –
    - \* DBInstanceStatus (string) –
    - \* DBName (string) –
    - \* DBParameterGroups (list) –
      - (dict) –
      - DBParameterGroupFamily (string) –



- **DBParameterGroupName** (*string*) –
- **Description** (*string*) –
- \* **DBSecurityGroups** (*list*) –
  - (*dict*) –
  - **DBSecurityGroupDescription** (*string*) –
  - **DBSecurityGroupName** (*string*) –
  - **EC2SecurityGroups** (*list*) –
  - (*dict*) –
  - **EC2SecurityGroupName** (*string*) –
  - **EC2SecurityGroupOwnerId** (*string*) –
  - **Status** (*string*) –
  - **IPRanges** (*list*) –
  - (*dict*) –
  - **CIDRIP** (*string*) –
  - **Status** (*string*) –
  - **NiftyAvailabilityZone** (*string*) –
  - **OwnerId** (*string*) –
- \* **Endpoint** (*dict*) –
  - **Address** (*string*) –
  - **NiftyPrivateAddress** (*string*) –
  - **Port** (*string*) –
- \* **Engine** (*string*) –
- \* **EngineVersion** (*string*) –
- \* **InstanceCreateTime** (*string*) –
- \* **LatestRestorableTime** (*string*) –
- \* **LicenseModel** (*string*) –
- \* **MasterUsername** (*string*) –
- \* **MultiAZ** (*string*) –
- \* **NiftyMasterPrivateAddress** (*string*) –
- \* **NiftyMultiAZType** (*string*) –
- \* **NiftyNetworkId** (*string*) –
- \* **NiftySlavePrivateAddress** (*string*) –
- \* **NiftyStorageType** (*integer*) –
- \* **OptionGroupMemberships** (*list*) –
  - (*dict*) –
  - **OptionGroupName** (*string*) –
  - **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –

- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

**create\_db\_parameter\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_db_parameter_group(  
    DBParameterGroupFamily='string',  
    DBParameterGroupName='string',  
    Description='string'  
)
```

#### Parameters

- **DBParameterGroupFamily** (*string*) –
- **DBParameterGroupName** (*string*) –
- **Description** (*string*) –

Return type dict

#### Returns

#### Response Syntax

```
{  
    'DBParameterGroup': {  
        'DBParameterGroupFamily': 'string',  
        'DBParameterGroupName': 'string',  
        'Description': 'string'  
    }  
}
```

#### Response Structure

- (*dict*) –
  - **DBParameterGroup** (*dict*) –
    - \* **DBParameterGroupFamily** (*string*) –
    - \* **DBParameterGroupName** (*string*) –
    - \* **Description** (*string*) –

**create\_db\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_db_security_group(  
    DBSecurityGroupDescription='string',  
    DBSecurityGroupName='string',  
    NiftyAvailabilityZone='string'  
)
```

#### Parameters

- **DBSecurityGroupDescription** (*string*) –

- **DBSecurityGroupName** (*string*) –
- **NiftyAvailabilityZone** (*string*) –

Return type dict

Returns

### Response Syntax

```
{
  'DBSecurityGroup': {
    'DBSecurityGroupDescription': 'string',
    'DBSecurityGroupName': 'string',
    'EC2SecurityGroups': [
      {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  }
}
```

### Response Structure

- (*dict*) –
  - **DBSecurityGroup** (*dict*) –
    - \* **DBSecurityGroupDescription** (*string*) –
    - \* **DBSecurityGroupName** (*string*) –
    - \* **EC2SecurityGroups** (*list*) –
      - (*dict*) –
      - **EC2SecurityGroupName** (*string*) –
      - **EC2SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NiftyAvailabilityZone** (*string*) –
    - \* **OwnerId** (*string*) –

**create\_db\_snapshot** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.create_db_snapshot(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string'
)
```

### Parameters

- **DBInstanceIdentifier** (*string*) –

- **DBSnapshotIdentifier** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DBSnapshot': {
    'AllocatedStorage': 'string',
    'AvailabilityZone': 'string',
    'DBInstanceIdentifier': 'string',
    'DBSnapshotIdentifier': 'string',
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'OptionGroupName': 'string',
    'Port': 'string',
    'SnapshotCreateTime': 'string',
    'SnapshotType': 'string',
    'Status': 'string'
  }
}
```

#### Response Structure

- (*dict*) –
  - **DBSnapshot** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **DBInstanceIdentifier** (*string*) –
    - \* **DBSnapshotIdentifier** (*string*) –
    - \* **Engine** (*string*) –
    - \* **EngineVersion** (*string*) –
    - \* **InstanceCreateTime** (*string*) –
    - \* **LicenseModel** (*string*) –
    - \* **MasterUsername** (*string*) –
    - \* **OptionGroupName** (*string*) –
    - \* **Port** (*string*) –
    - \* **SnapshotCreateTime** (*string*) –
    - \* **SnapshotType** (*string*) –
    - \* **Status** (*string*) –

**create\_event\_subscription** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.create_event_subscription(
    Enabled=True|False,
    EventCategories=[
        'string',
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
```

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```

SourceIds=[
    'string',
],
SourceType='string',
SubscriptionName='string'
)

```

**Parameters**

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
  - (*string*) –
- **NiftyDescription** (*string*) –
- **NiftyEmailAddresses** (*list*) –
  - (*string*) –
- **SourceIds** (*list*) –
  - (*string*) –
- **SourceType** (*string*) –
- **SubscriptionName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}

```

**Response Structure**

- (*dict*) –
  - **EventSubscription** (*dict*) –
    - \* **CustSubscriptionId** (*string*) –
    - \* **Enabled** (*string*) –
    - \* **EventCategoriesList** (*list*) –
      - (*string*) –
    - \* **NiftyDescription** (*string*) –
    - \* **NiftyEmailAddressesList** (*list*) –
      - (*string*) –
    - \* **SourceIdsList** (*list*) –
      - (*string*) –

- \* **SourceType** (*string*) –
- \* **Status** (*string*) –
- \* **SubscriptionCreationTime** (*string*) –

**delete\_db\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.delete_db_instance(  
    DBInstanceIdentifier='string',  
    FinalDBSnapshotIdentifier='string',  
    SkipFinalSnapshot=True | False  
)
```

### Parameters

- **DBInstanceIdentifier** (*string*) –
- **FinalDBSnapshotIdentifier** (*string*) –
- **SkipFinalSnapshot** (*boolean*) –

**Return type** dict

### Returns

### Response Syntax

```
{  
  'DBInstance': {  
    'AllocatedStorage': 'string',  
    'AutoMinorVersionUpgrade': True | False,  
    'AvailabilityZone': 'string',  
    'BackupRetentionPeriod': 'string',  
    'DBInstanceClass': 'string',  
    'DBInstanceIdentifier': 'string',  
    'DBInstanceStatus': 'string',  
    'DBName': 'string',  
    'DBParameterGroups': [  
      {  
        'DBParameterGroupFamily': 'string',  
        'DBParameterGroupName': 'string',  
        'Description': 'string'  
      },  
    ],  
    'DBSecurityGroups': [  
      {  
        'DBSecurityGroupDescription': 'string',  
        'DBSecurityGroupName': 'string',  
        'EC2SecurityGroups': [  
          {  
            'EC2SecurityGroupName': 'string',  
            'EC2SecurityGroupOwnerId': 'string',  
            'Status': 'string'  
          },  
        ],  
      },  
    ],  
    'IPRanges': [  
      {  
        'CIDRIP': 'string',  
        'Status': 'string'  
      },  
    ],  
  },  
}
```

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```

        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [

```

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```

        },
    ],
}

```

**Response Structure**

- *(dict)* –
  - **DBInstance** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AutoMinorVersionUpgrade** (*boolean*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **BackupRetentionPeriod** (*string*) –
    - \* **DBInstanceClass** (*string*) –
    - \* **DBInstanceIdentifier** (*string*) –
    - \* **DBInstanceStatus** (*string*) –
    - \* **DBName** (*string*) –
    - \* **DBParameterGroups** (*list*) –
      - *(dict)* –
      - **DBParameterGroupFamily** (*string*) –
      - **DBParameterGroupName** (*string*) –
      - **Description** (*string*) –
    - \* **DBSecurityGroups** (*list*) –
      - *(dict)* –
      - **DBSecurityGroupDescription** (*string*) –
      - **DBSecurityGroupName** (*string*) –
      - **EC2SecurityGroups** (*list*) –
      - *(dict)* –
      - **EC2SecurityGroupName** (*string*) –
      - **EC2SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –
      - **IPRanges** (*list*) –
      - *(dict)* –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
      - **NiftyAvailabilityZone** (*string*) –
      - **OwnerId** (*string*) –
    - \* **Endpoint** (*dict*) –
      - **Address** (*string*) –
      - **NiftyPrivateAddress** (*string*) –
      - **Port** (*string*) –
    - \* **Engine** (*string*) –
    - \* **EngineVersion** (*string*) –
    - \* **InstanceCreateTime** (*string*) –
    - \* **LatestRestorableTime** (*string*) –
    - \* **LicenseModel** (*string*) –
    - \* **MasterUsername** (*string*) –
    - \* **MultiAZ** (*string*) –
    - \* **NiftyMasterPrivateAddress** (*string*) –
    - \* **NiftyMultiAZType** (*string*) –
    - \* **NiftyNetworkId** (*string*) –
    - \* **NiftySlavePrivateAddress** (*string*) –
    - \* **NiftyStorageType** (*integer*) –
    - \* **OptionGroupMemberships** (*list*) –



- *(dict)* –
- **OptionGroupName** (*string*) –
- **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - *(dict)* –
    - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - *(dict)* –
    - **Message** (*string*) –
    - **Normal** (*boolean*) –
    - **Status** (*string*) –
    - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - *(dict)* –

**delete\_db\_parameter\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_db_parameter_group(
    DBParameterGroupName='string'
)
```

**Parameters** **DBParameterGroupName** (*string*) –

**Returns** None

**delete\_db\_security\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_db_security_group(
    DBSecurityGroupName='string'
)
```

**Parameters** **DBSecurityGroupName** (*string*) –

**Returns** None

**delete\_db\_snapshot** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_db_snapshot(  
    DBSnapshotIdentifier='string'  
)
```

**Parameters** `DBSnapshotIdentifier` (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{  
    'DBSnapshot': {  
        'AllocatedStorage': 'string',  
        'AvailabilityZone': 'string',  
        'DBInstanceIdentifier': 'string',  
        'DBSnapshotIdentifier': 'string',  
        'Engine': 'string',  
        'EngineVersion': 'string',  
        'InstanceCreateTime': 'string',  
        'LicenseModel': 'string',  
        'MasterUsername': 'string',  
        'OptionGroupName': 'string',  
        'Port': 'string',  
        'SnapshotCreateTime': 'string',  
        'SnapshotType': 'string',  
        'Status': 'string'  
    }  
}
```

#### Response Structure

- (*dict*) –
  - **DBSnapshot** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **DBInstanceIdentifier** (*string*) –
    - \* **DBSnapshotIdentifier** (*string*) –
    - \* **Engine** (*string*) –
    - \* **EngineVersion** (*string*) –
    - \* **InstanceCreateTime** (*string*) –
    - \* **LicenseModel** (*string*) –
    - \* **MasterUsername** (*string*) –
    - \* **OptionGroupName** (*string*) –
    - \* **Port** (*string*) –
    - \* **SnapshotCreateTime** (*string*) –
    - \* **SnapshotType** (*string*) –
    - \* **Status** (*string*) –

**delete\_event\_subscription** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.delete_event_subscription(  
    SubscriptionName='string'  
)
```

**Parameters** `SubscriptionName` (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

### Response Structure

- *(dict)* –
  - **EventSubscription** (*dict*) –
    - \* **CustSubscriptionId** (*string*) –
    - \* **Enabled** (*string*) –
    - \* **EventCategoriesList** (*list*) –
      - (*string*) –
    - \* **NiftyDescription** (*string*) –
    - \* **NiftyEmailAddressesList** (*list*) –
      - (*string*) –
    - \* **SourceIdsList** (*list*) –
      - (*string*) –
    - \* **SourceType** (*string*) –
    - \* **Status** (*string*) –
    - \* **SubscriptionCreationTime** (*string*) –

**describe\_db\_engine\_versions** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.describe_db_engine_versions(
    DBParameterGroupFamily='string',
    DefaultOnly=True|False,
    Engine='string',
    EngineVersion='string',
    Marker='string',
    MaxRecords=123
)
```

### Parameters

- **DBParameterGroupFamily** (*string*) –
- **DefaultOnly** (*boolean*) –

- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DBEngineVersions': [
    {
      'DBEngineDescription': 'string',
      'DBEngineVersionDescription': 'string',
      'DBParameterGroupFamily': 'string',
      'Engine': 'string',
      'EngineVersion': 'string'
    },
  ],
  'Marker': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **DBEngineVersions** (*list*) –
    - \* (*dict*) –
      - **DBEngineDescription** (*string*) –
      - **DBEngineVersionDescription** (*string*) –
      - **DBParameterGroupFamily** (*string*) –
      - **Engine** (*string*) –
      - **EngineVersion** (*string*) –
  - **Marker** (*string*) –

**describe\_db\_instances** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_db_instances(
    DBInstanceIdentifier='string',
    Marker='string',
    MaxRecords=123
)
```

#### Parameters

- **DBInstanceIdentifier** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'DBInstances': [
    {
      'AllocatedStorage': 'string',
      'AutoMinorVersionUpgrade': True|False,
```

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```

'AvailabilityZone': 'string',
'BackupRetentionPeriod': 'string',
'DBInstanceClass': 'string',
'DBInstanceIdentifier': 'string',
'DBInstanceStatus': 'string',
'DBName': 'string',
'DBParameterGroups': [
    {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
    },
],
'DBSecurityGroups': [
    {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string
→',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],

```

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```

    ],
    'PendingModifiedValues': {
        'AllocatedStorage': 'string',
        'BackupRetentionPeriod': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        }
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        }
    ],
    ],
    'VpcSecurityGroups': [
        {}
    ]
    },
    ],
    'Marker': 'string'
}

```

**Response Structure**

- (dict) –
  - DBInstances (list) –
    - \* (dict) –
      - AllocatedStorage (string) –
      - AutoMinorVersionUpgrade (boolean) –
      - AvailabilityZone (string) –
      - BackupRetentionPeriod (string) –
      - DBInstanceClass (string) –
      - DBInstanceIdentifier (string) –
      - DBInstanceStatus (string) –
      - DBName (string) –
      - DBParameterGroups (list) –
      - (dict) –
      - DBParameterGroupFamily (string) –
      - DBParameterGroupName (string) –
      - Description (string) –
      - DBSecurityGroups (list) –

- *(dict)* –
- **DBSecurityGroupDescription** (*string*) –
- **DBSecurityGroupName** (*string*) –
- **EC2SecurityGroups** (*list*) –
- *(dict)* –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –
- **IPRanges** (*list*) –
- *(dict)* –
- **CIDRIP** (*string*) –
- **Status** (*string*) –
- **NiftyAvailabilityZone** (*string*) –
- **OwnerId** (*string*) –
- **Endpoint** (*dict*) –
- **Address** (*string*) –
- **NiftyPrivateAddress** (*string*) –
- **Port** (*string*) –
- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **InstanceCreateTime** (*string*) –
- **LatestRestorableTime** (*string*) –
- **LicenseModel** (*string*) –
- **MasterUsername** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **OptionGroupMemberships** (*list*) –
- *(dict)* –
- **OptionGroupName** (*string*) –
- **Status** (*string*) –
- **PendingModifiedValues** (*dict*) –
- **AllocatedStorage** (*string*) –
- **BackupRetentionPeriod** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **EngineVersion** (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **Port** (*string*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **PubliclyAccessible** (*boolean*) –
- **ReadReplicaDBInstanceIdentifiers** (*list*) –
- *(dict)* –
- **ReadReplicaDBInstanceIdentifier** (*string*) –
- **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- **SecondaryAvailabilityZone** (*string*) –
- **StatusInfos** (*list*) –
- *(dict)* –

- **Message** (*string*) –
- **Normal** (*boolean*) –
- **Status** (*string*) –
- **StatusType** (*string*) –
- **VpcSecurityGroups** (*list*) –
- (*dict*) –
- **Marker** (*string*) –

**describe\_db\_log\_files** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_db_log_files(  
    DBInstanceIdentifier='string',  
    FileLastWritten=123,  
    FileSize=123,  
    FilenameContains='string',  
    Marker='string',  
    MaxRecords=123  
)
```

#### Parameters

- **DBInstanceIdentifier** (*string*) –
- **FileLastWritten** (*integer*) –
- **FileSize** (*integer*) –
- **FilenameContains** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{  
    'DescribeDBLogFiles': [  
        {  
            'LastWritten': 'string',  
            'LogFileName': 'string',  
            'Size': 'string'  
        },  
    ],  
    'Marker': 'string'  
}
```

#### Response Structure

- (*dict*) –
  - **DescribeDBLogFiles** (*list*) –
    - \* (*dict*) –
      - **LastWritten** (*string*) –
      - **LogFileName** (*string*) –
      - **Size** (*string*) –
  - **Marker** (*string*) –

**describe\_db\_parameter\_groups** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax



```
response = client.describe_db_parameter_groups(
    DBParameterGroupName='string',
    Marker='string',
    MaxRecords=123
)
```

**Parameters**

- **DBParameterGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'DBParameterGroups': [
    {
      'DBParameterGroupFamily': 'string',
      'DBParameterGroupName': 'string',
      'Description': 'string'
    },
  ],
  'Marker': 'string'
}
```

**Response Structure**

- (*dict*) –
  - **DBParameterGroups** (*list*) –
    - \* (*dict*) –
      - **DBParameterGroupFamily** (*string*) –
      - **DBParameterGroupName** (*string*) –
      - **Description** (*string*) –
  - **Marker** (*string*) –

**describe\_db\_parameters** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.describe_db_parameters(
    DBParameterGroupName='string',
    Marker='string',
    MaxRecords=123,
    Source='string'
)
```

**Parameters**

- **DBParameterGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **Source** (*string*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'Marker': 'string',
  'Parameters': [
    {
      'AllowedValues': 'string',
      'ApplyMethod': 'string',
      'ApplyType': 'string',
      'DataType': 'string',
      'Description': 'string',
      'IsModifiable': 'string',
      'MinimumEngineVersion': 'string',
      'ParameterName': 'string',
      'ParameterValue': 'string',
      'Source': 'string'
    }
  ]
}

```

### Response Structure

- *(dict)* –
  - **Marker** (*string*) –
  - **Parameters** (*list*) –
    - \* *(dict)* –
      - **AllowedValues** (*string*) –
      - **ApplyMethod** (*string*) –
      - **ApplyType** (*string*) –
      - **DataType** (*string*) –
      - **Description** (*string*) –
      - **IsModifiable** (*string*) –
      - **MinimumEngineVersion** (*string*) –
      - **ParameterName** (*string*) –
      - **ParameterValue** (*string*) –
      - **Source** (*string*) –

**describe\_db\_security\_groups** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```

response = client.describe_db_security_groups(
    DBSecurityGroupName='string',
    Marker='string',
    MaxRecords=123
)

```

### Parameters

- **DBSecurityGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

### Returns

#### Response Syntax

```

{
  'DBSecurityGroups': [
    {

```

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```

'DBSecurityGroupDescription': 'string',
'DBSecurityGroupName': 'string',
'EC2SecurityGroups': [
    {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
    },
],
'IPRanges': [
    {
        'CIDRIP': 'string',
        'Status': 'string'
    },
],
'NiftyAvailabilityZone': 'string',
'OwnerId': 'string'
},
],
'Marker': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **DBSecurityGroups** (*list*) –
    - \* (*dict*) –
      - **DBSecurityGroupDescription** (*string*) –
      - **DBSecurityGroupName** (*string*) –
      - **EC2SecurityGroups** (*list*) –
      - (*dict*) –
        - **EC2SecurityGroupName** (*string*) –
        - **EC2SecurityGroupOwnerId** (*string*) –
        - **Status** (*string*) –
      - **IPRanges** (*list*) –
      - (*dict*) –
        - **CIDRIP** (*string*) –
        - **Status** (*string*) –
      - **NiftyAvailabilityZone** (*string*) –
      - **OwnerId** (*string*) –
  - **Marker** (*string*) –

**describe\_db\_snapshots** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_db_snapshots(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string',
    Marker='string',
    MaxRecords=123,
    SnapshotType='string'
)

```

**Parameters**

- **DBInstanceIdentifier** (*string*) –

- **DBSnapshotIdentifier** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **SnapshotType** (*string*) –

Return type dict

Returns

#### Response Syntax

```
{
  'DBSnapshots': [
    {
      'AllocatedStorage': 'string',
      'AvailabilityZone': 'string',
      'DBInstanceIdentifier': 'string',
      'DBSnapshotIdentifier': 'string',
      'Engine': 'string',
      'EngineVersion': 'string',
      'InstanceCreateTime': 'string',
      'LicenseModel': 'string',
      'MasterUsername': 'string',
      'OptionGroupName': 'string',
      'Port': 'string',
      'SnapshotCreateTime': 'string',
      'SnapshotType': 'string',
      'Status': 'string'
    },
  ],
  'Marker': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **DBSnapshots** (*list*) –
    - \* (*dict*) –
      - **AllocatedStorage** (*string*) –
      - **AvailabilityZone** (*string*) –
      - **DBInstanceIdentifier** (*string*) –
      - **DBSnapshotIdentifier** (*string*) –
      - **Engine** (*string*) –
      - **EngineVersion** (*string*) –
      - **InstanceCreateTime** (*string*) –
      - **LicenseModel** (*string*) –
      - **MasterUsername** (*string*) –
      - **OptionGroupName** (*string*) –
      - **Port** (*string*) –
      - **SnapshotCreateTime** (*string*) –
      - **SnapshotType** (*string*) –
      - **Status** (*string*) –
    - **Marker** (*string*) –

`describe_engine_default_parameters` (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```

response = client.describe_engine_default_parameters(
    DBParameterGroupFamily='string',
    Marker='string',
    MaxRecords=123
)

```

**Parameters**

- **DBParameterGroupFamily** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

**Return type** dict

**Returns****Response Syntax**

```

{
  'EngineDefaults': {
    'DBParameterGroupFamily': 'string',
    'Marker': 'string',
    'Parameters': [
      {
        'AllowedValues': 'string',
        'ApplyMethod': 'string',
        'ApplyType': 'string',
        'DataType': 'string',
        'Description': 'string',
        'IsModifiable': 'string',
        'MinimumEngineVersion': 'string',
        'ParameterName': 'string',
        'ParameterValue': 'string',
        'Source': 'string'
      },
    ]
  }
}

```

**Response Structure**

- (*dict*) –
  - **EngineDefaults** (*dict*) –
    - \* **DBParameterGroupFamily** (*string*) –
    - \* **Marker** (*string*) –
    - \* **Parameters** (*list*) –
      - (*dict*) –
      - **AllowedValues** (*string*) –
      - **ApplyMethod** (*string*) –
      - **ApplyType** (*string*) –
      - **DataType** (*string*) –
      - **Description** (*string*) –
      - **IsModifiable** (*string*) –
      - **MinimumEngineVersion** (*string*) –
      - **ParameterName** (*string*) –
      - **ParameterValue** (*string*) –
      - **Source** (*string*) –

**describe\_event\_categories** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```
response = client.describe_event_categories(
    SourceType='string'
)
```

**Parameters** **SourceType** (*string*) –**Return type** dict**Returns****Response Syntax**

```
{
  'EventCategoriesMapList': [
    {
      'EventCategories': [
        'string',
      ],
      'SourceType': 'string'
    },
  ]
}
```

**Response Structure**

- (*dict*) –
  - **EventCategoriesMapList** (*list*) –
    - \* (*dict*) –
      - **EventCategories** (*list*) –
      - (*string*) –
      - **SourceType** (*string*) –

**describe\_event\_subscriptions** (*\*\*kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.describe_event_subscriptions(
    Marker='string',
    MaxRecords=123,
    SubscriptionName='string'
)
```

**Parameters**

- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **SubscriptionName** (*string*) –

**Return type** dict**Returns****Response Syntax**

```
{
  'EventSubscriptionsList': [
    {
      'CustSubscriptionId': 'string',
      'Enabled': 'string',
      'EventCategoriesList': [
        'string',
      ]
    }
  ]
}
```

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```

    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
        'string',
    ],
    'SourceIdsList': [
        'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  },
],
'Marker': 'string'
}

```

**Response Structure**

- *(dict)* –
  - **EventSubscriptionsList** (*list*) –
    - \* *(dict)* –
      - **CustSubscriptionId** (*string*) –
      - **Enabled** (*string*) –
      - **EventCategoriesList** (*list*) –
      - (*string*) –
      - **NiftyDescription** (*string*) –
      - **NiftyEmailAddressesList** (*list*) –
      - (*string*) –
      - **SourceIdsList** (*list*) –
      - (*string*) –
      - **SourceType** (*string*) –
      - **Status** (*string*) –
      - **SubscriptionCreationTime** (*string*) –
  - **Marker** (*string*) –

**describe\_events** (\*\*kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_events(
    Duration=123,
    EndTime=datetime(2015, 1, 1),
    EventCategories=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    SourceIdentifier='string',
    SourceType='string',
    StartTime=datetime(2015, 1, 1)
)

```

**Parameters**

- **Duration** (*integer*) –
- **EndTime** (*datetime*) –
- **EventCategories** (*list*) –

- (string)-
- **Marker** (string)-
- **MaxRecords** (integer)-
- **SourceIdentifier** (string)-
- **SourceType** (string)-
- **StartTime** (datetime)-

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'Events': [
    {
      'Date': 'string',
      'EventCategories': [
        'string',
      ],
      'Message': 'string',
      'SourceIdentifier': 'string',
      'SourceType': 'string'
    },
  ],
  'Marker': 'string'
}
```

#### Response Structure

- (dict)-
  - **Events** (list)-
    - \* (dict)-
      - **Date** (string)-
      - **EventCategories** (list)-
      - (string)-
      - **Message** (string)-
      - **SourceIdentifier** (string)-
      - **SourceType** (string)-
  - **Marker** (string)-

**describe\_orderable\_db\_instance\_options** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.describe_orderable_db_instance_options(
    DBInstanceClass='string',
    Engine='string',
    EngineVersion='string',
    LicenseModel='string',
    Marker='string',
    MaxRecords=123
)
```

#### Parameters

- **DBInstanceClass** (string)-
- **Engine** (string)-
- **EngineVersion** (string)-
- **LicenseModel** (string)-
- **Marker** (string)-



- **MaxRecords** (*integer*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'Marker': 'string',
  'OrderableDBInstanceOptions': [
    {
      'AvailabilityZones': [
        {
          'Name': 'string',
          'NiftyStorageTypes': [
            123,
          ],
          'ProvisionedIopsCapable': True|False
        },
      ],
      'DBInstanceClass': 'string',
      'Engine': 'string',
      'EngineVersion': 'string',
      'LicenseModel': 'string',
      'MultiAZCapable': True|False,
      'ReadReplicaCapable': True|False,
      'Vpc': True|False
    },
  ],
}
```

### Response Structure

- (*dict*) –
  - **Marker** (*string*) –
  - **OrderableDBInstanceOptions** (*list*) –
    - \* (*dict*) –
      - **AvailabilityZones** (*list*) –
      - (*dict*) –
      - **Name** (*string*) –
      - **NiftyStorageTypes** (*list*) –
      - (*integer*) –
      - **ProvisionedIopsCapable** (*boolean*) –
      - **DBInstanceClass** (*string*) –
      - **Engine** (*string*) –
      - **EngineVersion** (*string*) –
      - **LicenseModel** (*string*) –
      - **MultiAZCapable** (*boolean*) –
      - **ReadReplicaCapable** (*boolean*) –
      - **Vpc** (*boolean*) –

**download\_db\_log\_file\_portion** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.download_db_log_file_portion(
    DBInstanceIdentifier='string',
    LogFileName='string',
```

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```

Marker='string',
NumberOfLines=123
)

```

**Parameters**

- **DBInstanceIdentifier** (*string*) –
- **LogFileName** (*string*) –
- **Marker** (*string*) –
- **NumberOfLines** (*integer*) –

**Return type** dict**Returns****Response Syntax**

```

{
  'AdditionalDataPending': True|False,
  'LogFileData': 'string',
  'Marker': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **AdditionalDataPending** (*boolean*) –
  - **LogFileData** (*string*) –
  - **Marker** (*string*) –

**generate\_presigned\_url** (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

**Parameters**

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to *ClientMethod*.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

**Returns** The presigned url**get\_paginator** (*operation\_name*)

Create a paginator for an operation.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Raises** **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

**Return type** L{botocore.paginate.Paginator}**Returns** A paginator object.**get\_waiter** (*waiter\_name*)

Returns an object that can wait for some condition.

**Parameters** **waiter\_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

**Returns** The specified waiter object.**Return type** botocore.waiter.Waiter

`modify_db_instance (**kwargs)`

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.modify_db_instance(
    AllocatedStorage=123,
    ApplyImmediately=True|False,
    BackupRetentionPeriod=123,
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    MasterUserPassword='string',
    MultiAZ=True|False,
    NewDBInstanceIdentifier='string',
    NiftyMultiAZType=123,
    NiftyReadReplicaDBInstanceIdentifier='string',
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string'
)
```

### Parameters

- **AllocatedStorage** (*integer*) –
- **ApplyImmediately** (*boolean*) –
- **BackupRetentionPeriod** (*integer*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –  
– (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*boolean*) –
- **NewDBInstanceIdentifier** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
```

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```

'DBInstanceStatus': 'string',
'DBName': 'string',
'DBParameterGroups': [
    {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
    },
],
'DBSecurityGroups': [
    {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',

```

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```

        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        },
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        },
    ],
    'VpcSecurityGroups': [
        {}
    ]
}

```

**Response Structure**

- (dict) –
  - **DBInstance** (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AutoMinorVersionUpgrade** (boolean) –
    - \* **AvailabilityZone** (string) –
    - \* **BackupRetentionPeriod** (string) –
    - \* **DBInstanceClass** (string) –
    - \* **DBInstanceIdentifier** (string) –
    - \* **DBInstanceStatus** (string) –
    - \* **DBName** (string) –
    - \* **DBParameterGroups** (list) –
      - (dict) –
      - **DBParameterGroupFamily** (string) –
      - **DBParameterGroupName** (string) –
      - **Description** (string) –
    - \* **DBSecurityGroups** (list) –
      - (dict) –
      - **DBSecurityGroupDescription** (string) –
      - **DBSecurityGroupName** (string) –
      - **EC2SecurityGroups** (list) –
        - (dict) –
        - **EC2SecurityGroupName** (string) –
        - **EC2SecurityGroupOwnerId** (string) –

- **Status** (*string*) –
- **IPRanges** (*list*) –
- (*dict*) –
- **CIDRIP** (*string*) –
- **Status** (*string*) –
- **NiftyAvailabilityZone** (*string*) –
- **OwnerId** (*string*) –
- \* **Endpoint** (*dict*) –
  - **Address** (*string*) –
  - **NiftyPrivateAddress** (*string*) –
  - **Port** (*string*) –
- \* **Engine** (*string*) –
- \* **EngineVersion** (*string*) –
- \* **InstanceCreateTime** (*string*) –
- \* **LatestRestorableTime** (*string*) –
- \* **LicenseModel** (*string*) –
- \* **MasterUsername** (*string*) –
- \* **MultiAZ** (*string*) –
- \* **NiftyMasterPrivateAddress** (*string*) –
- \* **NiftyMultiAZType** (*string*) –
- \* **NiftyNetworkId** (*string*) –
- \* **NiftySlavePrivateAddress** (*string*) –
- \* **NiftyStorageType** (*integer*) –
- \* **OptionGroupMemberships** (*list*) –
  - (*dict*) –
  - **OptionGroupName** (*string*) –
  - **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

**modify\_db\_parameter\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.modify_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'string',
            'ParameterName': 'string',
            'ParameterValue': 'string'
        },
    ]
)
```

### Parameters

- **DBParameterGroupName** (*string*) –
- **Parameters** (*list*) –
  - (*dict*) –
    - \* **ApplyMethod** (*string*) –
    - \* **ParameterName** (*string*) –
    - \* **ParameterValue** (*string*) –

Return type dict

### Returns

#### Response Syntax

```
{
    'DBParameterGroupName': 'string'
}
```

#### Response Structure

- (*dict*) –
  - **DBParameterGroupName** (*string*) –

**modify\_event\_subscription** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.modify_event_subscription(
    Enabled=True | False,
    EventCategories=[
        'string',
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
    SourceType='string',
    SubscriptionName='string'
)
```

### Parameters

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
  - (*string*) –
- **NiftyDescription** (*string*) –

- **NiftyEmailAddresses** (*list*) –
  - (*string*) –
- **SourceType** (*string*) –
- **SubscriptionName** (*string*) –

**Return type** dict

**Returns**

#### Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

#### Response Structure

- (*dict*) –
  - **EventSubscription** (*dict*) –
    - \* **CustSubscriptionId** (*string*) –
    - \* **Enabled** (*string*) –
    - \* **EventCategoriesList** (*list*) –
      - (*string*) –
    - \* **NiftyDescription** (*string*) –
    - \* **NiftyEmailAddressesList** (*list*) –
      - (*string*) –
    - \* **SourceIdsList** (*list*) –
      - (*string*) –
    - \* **SourceType** (*string*) –
    - \* **Status** (*string*) –
    - \* **SubscriptionCreationTime** (*string*) –

**nifty\_failover\_db\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_failover_db_instance(
    DBInstanceIdentifier='string'
)
```

**Parameters** **DBInstanceIdentifier** (*string*) –

**Return type** dict

**Returns**



**Response Syntax**

```

{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',
    'NiftyStorageType': 123,
    'OptionGroupMemberships': [

```

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```

    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

**Response Structure**

- (dict) –
  - **DBInstance** (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AutoMinorVersionUpgrade** (boolean) –
    - \* **AvailabilityZone** (string) –
    - \* **BackupRetentionPeriod** (string) –
    - \* **DBInstanceClass** (string) –
    - \* **DBInstanceIdentifier** (string) –
    - \* **DBInstanceStatus** (string) –
    - \* **DBName** (string) –
    - \* **DBParameterGroups** (list) –
      - (dict) –
      - **DBParameterGroupFamily** (string) –
      - **DBParameterGroupName** (string) –
      - **Description** (string) –

- \* **DBSecurityGroups** (*list*) –
  - (*dict*) –
  - **DBSecurityGroupDescription** (*string*) –
  - **DBSecurityGroupName** (*string*) –
  - **EC2SecurityGroups** (*list*) –
  - (*dict*) –
  - **EC2SecurityGroupName** (*string*) –
  - **EC2SecurityGroupOwnerId** (*string*) –
  - **Status** (*string*) –
  - **IPRanges** (*list*) –
  - (*dict*) –
  - **CIDRIP** (*string*) –
  - **Status** (*string*) –
  - **NiftyAvailabilityZone** (*string*) –
  - **OwnerId** (*string*) –
- \* **Endpoint** (*dict*) –
  - **Address** (*string*) –
  - **NiftyPrivateAddress** (*string*) –
  - **Port** (*string*) –
- \* **Engine** (*string*) –
- \* **EngineVersion** (*string*) –
- \* **InstanceCreateTime** (*string*) –
- \* **LatestRestorableTime** (*string*) –
- \* **LicenseModel** (*string*) –
- \* **MasterUsername** (*string*) –
- \* **MultiAZ** (*string*) –
- \* **NiftyMasterPrivateAddress** (*string*) –
- \* **NiftyMultiAZType** (*string*) –
- \* **NiftyNetworkId** (*string*) –
- \* **NiftySlavePrivateAddress** (*string*) –
- \* **NiftyStorageType** (*integer*) –
- \* **OptionGroupMemberships** (*list*) –
  - (*dict*) –
  - **OptionGroupName** (*string*) –
  - **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –

- *(dict)* –
- **Message** (*string*) –
- **Normal** (*boolean*) –
- **Status** (*string*) –
- **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
- *(dict)* –

**nifty\_get\_metric\_statistics** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.nifty_get_metric_statistics(
    Dimensions=[
        {
            'Name': 'string',
            'Value': 'string'
        },
    ],
    EndTime=datetime(2015, 1, 1),
    MetricName='string',
    StartTime=datetime(2015, 1, 1)
)
```

#### Parameters

- **Dimensions** (*list*) –
  - *(dict)* –
  - \* **Name** (*string*) –
  - \* **Value** (*string*) –
- **EndTime** (*datetime*) –
- **MetricName** (*string*) –
- **StartTime** (*datetime*) –

Return type dict

#### Returns

##### Response Syntax

```
{
    'Datapoints': [
        {
            'NiftyTargetName': 'string',
            'SampleCount': 'string',
            'Sum': 'string',
            'Timestamp': 'string'
        },
    ],
    'Label': 'string'
}
```

##### Response Structure

- *(dict)* –
  - **Datapoints** (*list*) –
    - \* *(dict)* –
    - **NiftyTargetName** (*string*) –
    - **SampleCount** (*string*) –
    - **Sum** (*string*) –
    - **Timestamp** (*string*) –

– **Label** (*string*) –

**reboot\_db\_instance** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.reboot_db_instance(
    DBInstanceIdentifier='string',
    ForceFailover=True|False,
    NiftyRebootType='string'
)
```

### Parameters

- **DBInstanceIdentifier** (*string*) –
- **ForceFailover** (*boolean*) –
- **NiftyRebootType** (*string*) –

**Return type** dict

### Returns

### Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      },
    ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  },
}
```

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```

],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
],
'VpcSecurityGroups': [
    {},
]
}

```

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}

**Response Structure**

- *(dict)* –
  - **DBInstance** (*dict*) –
    - \* **AllocatedStorage** (*string*) –
    - \* **AutoMinorVersionUpgrade** (*boolean*) –
    - \* **AvailabilityZone** (*string*) –
    - \* **BackupRetentionPeriod** (*string*) –
    - \* **DBInstanceClass** (*string*) –
    - \* **DBInstanceIdentifier** (*string*) –
    - \* **DBInstanceStatus** (*string*) –
    - \* **DBName** (*string*) –
    - \* **DBParameterGroups** (*list*) –
      - *(dict)* –
      - **DBParameterGroupFamily** (*string*) –
      - **DBParameterGroupName** (*string*) –
      - **Description** (*string*) –
    - \* **DBSecurityGroups** (*list*) –
      - *(dict)* –
      - **DBSecurityGroupDescription** (*string*) –
      - **DBSecurityGroupName** (*string*) –
      - **EC2SecurityGroups** (*list*) –
      - *(dict)* –
      - **EC2SecurityGroupName** (*string*) –
      - **EC2SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –
      - **IPRanges** (*list*) –
      - *(dict)* –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
      - **NiftyAvailabilityZone** (*string*) –
      - **OwnerId** (*string*) –
    - \* **Endpoint** (*dict*) –
      - **Address** (*string*) –
      - **NiftyPrivateAddress** (*string*) –
      - **Port** (*string*) –
    - \* **Engine** (*string*) –
    - \* **EngineVersion** (*string*) –
    - \* **InstanceCreateTime** (*string*) –
    - \* **LatestRestorableTime** (*string*) –
    - \* **LicenseModel** (*string*) –
    - \* **MasterUsername** (*string*) –
    - \* **MultiAZ** (*string*) –
    - \* **NiftyMasterPrivateAddress** (*string*) –
    - \* **NiftyMultiAZType** (*string*) –
    - \* **NiftyNetworkId** (*string*) –
    - \* **NiftySlavePrivateAddress** (*string*) –
    - \* **NiftyStorageType** (*integer*) –
    - \* **OptionGroupMemberships** (*list*) –
      - *(dict)* –
      - **OptionGroupName** (*string*) –
      - **Status** (*string*) –

- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

`remove_source_identifier_from_subscription(**kwargs)`

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.remove_source_identifier_from_subscription(  
    SourceIdentifier='string',  
    SubscriptionName='string'  
)
```

#### Parameters

- **SourceIdentifier** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict

#### Returns

#### Response Syntax

```
{  
    'EventSubscription': {  
        'CustSubscriptionId': 'string',  
        'Enabled': 'string',  
        'EventCategoriesList': [  
            'string',  
        ],  
        'NiftyDescription': 'string',  
        'NiftyEmailAddressesList': [  
            'string',  
        ],  
    },  
}
```

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```

    'SourceIdsList': [
        'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **EventSubscription** (*dict*) –
    - \* **CustSubscriptionId** (*string*) –
    - \* **Enabled** (*string*) –
    - \* **EventCategoriesList** (*list*) –
      - (*string*) –
    - \* **NiftyDescription** (*string*) –
    - \* **NiftyEmailAddressesList** (*list*) –
      - (*string*) –
    - \* **SourceIdsList** (*list*) –
      - (*string*) –
    - \* **SourceType** (*string*) –
    - \* **Status** (*string*) –
    - \* **SubscriptionCreationTime** (*string*) –

**reset\_db\_parameter\_group** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

**Request Syntax**

```

response = client.reset_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'string',
            'ParameterName': 'string',
            'ParameterValue': 'string'
        },
    ],
    ResetAllParameters=True|False
)

```

**Parameters**

- **DBParameterGroupName** (*string*) –
- **Parameters** (*list*) –
  - (*dict*) –
    - \* **ApplyMethod** (*string*) –
    - \* **ParameterName** (*string*) –
    - \* **ParameterValue** (*string*) –
- **ResetAllParameters** (*boolean*) –

**Return type** dict

**Returns****Response Syntax**

```
{
    'DBParameterGroupName': 'string'
}
```

### Response Structure

- (*dict*) –
  - **DBParameterGroupName** (*string*) –

**restore\_db\_instance\_from\_db\_snapshot** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.restore_db_instance_from_db_snapshot(
    AvailabilityZone='string',
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBName='string',
    DBSnapshotIdentifier='string',
    Engine='string',
    LicenseModel='string',
    MultiAZ=True|False,
    NiftyDBParameterGroupName='string',
    NiftyDBSecurityGroups=[
        'string',
    ],
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftyReadReplicaDBInstanceIdentifier=123,
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    Port=123,
    PubliclyAccessible=True|False
)
```

### Parameters

- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **DBName** (*string*) –
- **DBSnapshotIdentifier** (*string*) –
- **Engine** (*string*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
  - (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*integer*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –

- **NiftyVirtualPrivateAddress** (*string*)–
- **Port** (*integer*)–
- **PubliclyAccessible** (*boolean*)–

**Return type** dict

**Returns**

### Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
  },
}
```

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```

'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

**Response Structure**

- (dict) –
  - **DBInstance** (dict) –
    - \* **AllocatedStorage** (string) –
    - \* **AutoMinorVersionUpgrade** (boolean) –
    - \* **AvailabilityZone** (string) –
    - \* **BackupRetentionPeriod** (string) –
    - \* **DBInstanceClass** (string) –
    - \* **DBInstanceIdentifier** (string) –
    - \* **DBInstanceStatus** (string) –

- \* **DBName** (*string*) –
- \* **DBParameterGroups** (*list*) –
  - (*dict*) –
  - **DBParameterGroupFamily** (*string*) –
  - **DBParameterGroupName** (*string*) –
  - **Description** (*string*) –
- \* **DBSecurityGroups** (*list*) –
  - (*dict*) –
  - **DBSecurityGroupDescription** (*string*) –
  - **DBSecurityGroupName** (*string*) –
  - **EC2SecurityGroups** (*list*) –
    - (*dict*) –
    - **EC2SecurityGroupName** (*string*) –
    - **EC2SecurityGroupOwnerId** (*string*) –
    - **Status** (*string*) –
  - **IPRanges** (*list*) –
    - (*dict*) –
    - **CIDRIP** (*string*) –
    - **Status** (*string*) –
    - **NiftyAvailabilityZone** (*string*) –
    - **OwnerId** (*string*) –
- \* **Endpoint** (*dict*) –
  - **Address** (*string*) –
  - **NiftyPrivateAddress** (*string*) –
  - **Port** (*string*) –
- \* **Engine** (*string*) –
- \* **EngineVersion** (*string*) –
- \* **InstanceCreateTime** (*string*) –
- \* **LatestRestorableTime** (*string*) –
- \* **LicenseModel** (*string*) –
- \* **MasterUsername** (*string*) –
- \* **MultiAZ** (*string*) –
- \* **NiftyMasterPrivateAddress** (*string*) –
- \* **NiftyMultiAZType** (*string*) –
- \* **NiftyNetworkId** (*string*) –
- \* **NiftySlavePrivateAddress** (*string*) –
- \* **NiftyStorageType** (*integer*) –
- \* **OptionGroupMemberships** (*list*) –
  - (*dict*) –
  - **OptionGroupName** (*string*) –
  - **Status** (*string*) –
- \* **PendingModifiedValues** (*dict*) –
  - **AllocatedStorage** (*string*) –
  - **BackupRetentionPeriod** (*string*) –
  - **DBInstanceClass** (*string*) –
  - **DBInstanceIdentifier** (*string*) –
  - **EngineVersion** (*string*) –
  - **MasterUserPassword** (*string*) –
  - **MultiAZ** (*string*) –
  - **NiftyMultiAZType** (*string*) –
  - **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –

- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

**restore\_db\_instance\_to\_point\_in\_time** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

### Request Syntax

```
response = client.restore_db_instance_to_point_in_time(
    AvailabilityZone='string',
    DBInstanceClass='string',
    DBName='string',
    Engine='string',
    LicenseModel='string',
    MultiAZ=True|False,
    NiftyDBParameterGroupName='string',
    NiftyDBSecurityGroups=[
        'string',
    ],
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftyReadReplicaDBInstanceIdentifier='string',
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    Port=123,
    PubliclyAccessible=True|False,
    RestoreTime=datetime(2015, 1, 1),
    SourceDBInstanceIdentifier='string',
    TargetDBInstanceIdentifier='string',
    UseLatestRestorableTime=True|False
)
```

### Parameters

- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBName** (*string*) –
- **Engine** (*string*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
  - (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –

- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **Port** (*integer*) –
- **PubliclyAccessible** (*boolean*) –
- **RestoreTime** (*datetime*) –
- **SourceDBInstanceIdentifier** (*string*) –
- **TargetDBInstanceIdentifier** (*string*) –
- **UseLatestRestorableTime** (*boolean*) –

**Return type** dict

**Returns**

### Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  },
  'Endpoint': {
```

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```

        'Address': 'string',
        'NiftyPrivateAddress': 'string',
        'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',
    'NiftyStorageType': 123,
    'OptionGroupMemberships': [
        {
            'OptionGroupName': 'string',
            'Status': 'string'
        }
    ],
    'PendingModifiedValues': {
        'AllocatedStorage': 'string',
        'BackupRetentionPeriod': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        }
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        }
    ],
    'VpcSecurityGroups': [
        {}
    ]
}

```



**Response Structure**

- *(dict)* –
  - **DBInstance** *(dict)* –
    - \* **AllocatedStorage** *(string)* –
    - \* **AutoMinorVersionUpgrade** *(boolean)* –
    - \* **AvailabilityZone** *(string)* –
    - \* **BackupRetentionPeriod** *(string)* –
    - \* **DBInstanceClass** *(string)* –
    - \* **DBInstanceIdentifier** *(string)* –
    - \* **DBInstanceStatus** *(string)* –
    - \* **DBName** *(string)* –
    - \* **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupFamily** *(string)* –
      - **DBParameterGroupName** *(string)* –
      - **Description** *(string)* –
    - \* **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupDescription** *(string)* –
      - **DBSecurityGroupName** *(string)* –
      - **EC2SecurityGroups** *(list)* –
        - *(dict)* –
        - **EC2SecurityGroupName** *(string)* –
        - **EC2SecurityGroupOwnerId** *(string)* –
        - **Status** *(string)* –
        - **IPRanges** *(list)* –
          - *(dict)* –
          - **CIDRIP** *(string)* –
          - **Status** *(string)* –
          - **NiftyAvailabilityZone** *(string)* –
          - **OwnerId** *(string)* –
    - \* **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(string)* –
    - \* **Engine** *(string)* –
    - \* **EngineVersion** *(string)* –
    - \* **InstanceCreateTime** *(string)* –
    - \* **LatestRestorableTime** *(string)* –
    - \* **LicenseModel** *(string)* –
    - \* **MasterUsername** *(string)* –
    - \* **MultiAZ** *(string)* –
    - \* **NiftyMasterPrivateAddress** *(string)* –
    - \* **NiftyMultiAZType** *(string)* –
    - \* **NiftyNetworkId** *(string)* –
    - \* **NiftySlavePrivateAddress** *(string)* –
    - \* **NiftyStorageType** *(integer)* –
    - \* **OptionGroupMemberships** *(list)* –
      - *(dict)* –
      - **OptionGroupName** *(string)* –
      - **Status** *(string)* –
    - \* **PendingModifiedValues** *(dict)* –
      - **AllocatedStorage** *(string)* –
      - **BackupRetentionPeriod** *(string)* –

- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **EngineVersion** (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **Port** (*string*) –
- \* **PreferredBackupWindow** (*string*) –
- \* **PreferredMaintenanceWindow** (*string*) –
- \* **PubliclyAccessible** (*boolean*) –
- \* **ReadReplicaDBInstanceIdentifiers** (*list*) –
  - (*dict*) –
  - **ReadReplicaDBInstanceIdentifier** (*string*) –
- \* **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- \* **SecondaryAvailabilityZone** (*string*) –
- \* **StatusInfos** (*list*) –
  - (*dict*) –
  - **Message** (*string*) –
  - **Normal** (*boolean*) –
  - **Status** (*string*) –
  - **StatusType** (*string*) –
- \* **VpcSecurityGroups** (*list*) –
  - (*dict*) –

**revoke\_db\_security\_group\_ingress** (\*\*kwargs)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.revoke_db_security_group_ingress(
    CIDRIP='string',
    DBSecurityGroupName='string',
    EC2SecurityGroupName='string'
)
```

#### Parameters

- **CIDRIP** (*string*) –
- **DBSecurityGroupName** (*string*) –
- **EC2SecurityGroupName** (*string*) –

Return type dict

#### Returns

#### Response Syntax

```
{
  'DBSecurityGroup': {
    'DBSecurityGroupDescription': 'string',
    'DBSecurityGroupName': 'string',
    'EC2SecurityGroups': [
      {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
    'IPRanges': [
      {
```

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```

        'CIDRIP': 'string',
        'Status': 'string'
    },
],
'NiftyAvailabilityZone': 'string',
'OwnerId': 'string'
}

```

**Response Structure**

- (*dict*) –
  - **DBSecurityGroup** (*dict*) –
    - \* **DBSecurityGroupDescription** (*string*) –
    - \* **DBSecurityGroupName** (*string*) –
    - \* **EC2SecurityGroups** (*list*) –
      - (*dict*) –
      - **EC2SecurityGroupName** (*string*) –
      - **EC2SecurityGroupOwnerId** (*string*) –
      - **Status** (*string*) –
    - \* **IPRanges** (*list*) –
      - (*dict*) –
      - **CIDRIP** (*string*) –
      - **Status** (*string*) –
    - \* **NiftyAvailabilityZone** (*string*) –
    - \* **OwnerId** (*string*) –

## 1.4 script

**Table of Contents**

- *script*
  - *Client*

### 1.4.1 Client

**class** `script.Client`

A low-level client representing NIFCLOUD Script:

```
client = session.create_client('script')
```

These are the available methods:

- `can_paginate()`
- `execute_script()`
- `generate_presigned_url()`
- `get_paginator()`
- `get_waiter()`

**can\_paginate** (*operation\_name*)

Check if an operation can be paginated.

**Parameters** `operation_name` (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Returns** True if the operation can be paginated, False otherwise.

**execute\_script** (*\*\*kwargs*)

See also: [NIFCLOUD API Documentation](#)

#### Request Syntax

```
response = client.execute_script(  
    Body='string',  
    Header='string',  
    Method='string',  
    Query='string',  
    ScriptIdentifier='string'  
)
```

#### Parameters

- **Body** (*string*) –
- **Header** (*string*) –
- **Method** (*string*) –
- **Query** (*string*) –
- **ScriptIdentifier** (*string*) –

**Return type** dict

#### Returns

#### Response Syntax

```
{  
    'Result': {  
        'RequestBody': 'string',  
        'RequestHeader': 'string',  
        'RequestQuery': 'string',  
        'ResponseData': 'string',  
        'ResponseHeader': 'string',  
        'ResponseStatus': 123,  
        'ScriptIdentifier': 'string'  
    }  
}
```

#### Response Structure

- (*dict*) –
  - **Result** (*dict*) –
    - \* **RequestBody** (*string*) –
    - \* **RequestHeader** (*string*) –
    - \* **RequestQuery** (*string*) –
    - \* **ResponseData** (*string*) –
    - \* **ResponseHeader** (*string*) –
    - \* **ResponseStatus** (*integer*) –
    - \* **ScriptIdentifier** (*string*) –

**generate\_presigned\_url** (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

#### Parameters

- **ClientMethod** (*string*) – The client method to presign for

- **Params** (*dict*) – The parameters normally passed to `ClientMethod`.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

**Returns** The presigned url

**get\_paginator** (*operation\_name*)

Create a paginator for an operation.

**Parameters** **operation\_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

**Raises** **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

**Return type** `L{botocore.paginate.Paginator}`

**Returns** A paginator object.

**get\_waiter** (*waiter\_name*)

Returns an object that can wait for some condition.

**Parameters** **waiter\_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

**Returns** The specified waiter object.

**Return type** `botocore.waiter.Waiter`



## CHAPTER 2

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### Indices and tables

---

- `genindex`
- `search`





## A

add\_source\_identifier\_to\_subscription() (rdb.Client method), 427  
 allocate\_address() (computing.Client method), 9  
 associate\_address() (computing.Client method), 10  
 associate\_route\_table() (computing.Client method), 10  
 associate\_users() (computing.Client method), 11  
 attach\_network\_interface() (computing.Client method), 12  
 attach\_volume() (computing.Client method), 13  
 authorize\_db\_security\_group\_ingress() (rdb.Client method), 428  
 authorize\_nas\_security\_group\_ingress() (nas.Client method), 409  
 authorize\_security\_group\_ingress() (computing.Client method), 13

## C

can\_paginate() (computing.Client method), 15  
 can\_paginate() (nas.Client method), 410  
 can\_paginate() (rdb.Client method), 429  
 can\_paginate() (script.Client method), 487  
 cancel\_copy\_instances() (computing.Client method), 15  
 cancel\_upload() (computing.Client method), 15  
 clear\_load\_balancer\_session() (computing.Client method), 16  
 computing.Client (built-in class), 3  
 computing.Waiter.InstanceDeleted (built-in class), 406  
 computing.Waiter.InstanceExists (built-in class), 407  
 computing.Waiter.InstanceRunning (built-in class), 407  
 computing.Waiter.InstanceStopped (built-in class), 408  
 configure\_health\_check() (computing.Client method), 16  
 copy\_db\_snapshot() (rdb.Client method), 429  
 copy\_instances() (computing.Client method), 18  
 create\_customer\_gateway() (computing.Client method), 20  
 create\_db\_instance() (rdb.Client method), 430  
 create\_db\_instance\_read\_replica() (rdb.Client method), 434

create\_db\_parameter\_group() (rdb.Client method), 438  
 create\_db\_security\_group() (rdb.Client method), 438  
 create\_db\_snapshot() (rdb.Client method), 439  
 create\_dhcp\_options() (computing.Client method), 21  
 create\_event\_subscription() (rdb.Client method), 440  
 create\_image() (computing.Client method), 22  
 create\_key\_pair() (computing.Client method), 23  
 create\_load\_balancer() (computing.Client method), 23  
 create\_nas\_instance() (nas.Client method), 411  
 create\_nas\_security\_group() (nas.Client method), 413  
 create\_network\_interface() (computing.Client method), 25  
 create\_route() (computing.Client method), 28  
 create\_route\_table() (computing.Client method), 29  
 create\_security\_group() (computing.Client method), 29  
 create\_ssl\_certificate() (computing.Client method), 30  
 create\_volume() (computing.Client method), 31  
 create\_vpn\_connection() (computing.Client method), 32  
 create\_vpn\_gateway() (computing.Client method), 35

## D

delete\_customer\_gateway() (computing.Client method), 39  
 delete\_db\_instance() (rdb.Client method), 442  
 delete\_db\_parameter\_group() (rdb.Client method), 445  
 delete\_db\_security\_group() (rdb.Client method), 445  
 delete\_db\_snapshot() (rdb.Client method), 445  
 delete\_dhcp\_options() (computing.Client method), 40  
 delete\_event\_subscription() (rdb.Client method), 446  
 delete\_image() (computing.Client method), 40  
 delete\_key\_pair() (computing.Client method), 40  
 delete\_load\_balancer() (computing.Client method), 41  
 delete\_nas\_instance() (nas.Client method), 414  
 delete\_nas\_security\_group() (nas.Client method), 416  
 delete\_network\_interface() (computing.Client method), 41  
 delete\_route() (computing.Client method), 42  
 delete\_route\_table() (computing.Client method), 42  
 delete\_security\_group() (computing.Client method), 43  
 delete\_ssl\_certificate() (computing.Client method), 43

- delete\_volume() (computing.Client method), 44
  - delete\_vpn\_connection() (computing.Client method), 44
  - delete\_vpn\_gateway() (computing.Client method), 44
  - deregister\_instances\_from\_load\_balancer() (computing.Client method), 45
  - deregister\_instances\_from\_security\_group() (computing.Client method), 46
  - describe\_addresses() (computing.Client method), 53
  - describe\_associated\_users() (computing.Client method), 54
  - describe\_availability\_zones() (computing.Client method), 54
  - describe\_customer\_gateways() (computing.Client method), 55
  - describe\_db\_engine\_versions() (rdb.Client method), 447
  - describe\_db\_instances() (rdb.Client method), 448
  - describe\_db\_log\_files() (rdb.Client method), 452
  - describe\_db\_parameter\_groups() (rdb.Client method), 452
  - describe\_db\_parameters() (rdb.Client method), 453
  - describe\_db\_security\_groups() (rdb.Client method), 454
  - describe\_db\_snapshots() (rdb.Client method), 455
  - describe\_dhcp\_options() (computing.Client method), 56
  - describe\_engine\_default\_parameters() (rdb.Client method), 456
  - describe\_event\_categories() (rdb.Client method), 457
  - describe\_event\_subscriptions() (rdb.Client method), 458
  - describe\_events() (rdb.Client method), 459
  - describe\_images() (computing.Client method), 57
  - describe\_instance\_attribute() (computing.Client method), 60
  - describe\_instance\_health() (computing.Client method), 66
  - describe\_instances() (computing.Client method), 67
  - describe\_key\_pairs() (computing.Client method), 76
  - describe\_load\_balancers() (computing.Client method), 83
  - describe\_nas\_instances() (nas.Client method), 416
  - describe\_nas\_security\_groups() (nas.Client method), 418
  - describe\_network\_interfaces() (computing.Client method), 87
  - describe\_orderable\_db\_instance\_options() (rdb.Client method), 460
  - describe\_regions() (computing.Client method), 91
  - describe\_resources() (computing.Client method), 91
  - describe\_route\_tables() (computing.Client method), 93
  - describe\_security\_activities() (computing.Client method), 95
  - describe\_security\_group\_option() (computing.Client method), 96
  - describe\_security\_groups() (computing.Client method), 96
  - describe\_service\_status() (computing.Client method), 113
  - describe\_ssl\_certificate\_attribute() (computing.Client method), 114
  - describe\_ssl\_certificates() (computing.Client method), 116
  - describe\_uploads() (computing.Client method), 117
  - describe\_usage() (computing.Client method), 119
  - describe\_user\_activities() (computing.Client method), 149
  - describe\_volumes() (computing.Client method), 150
  - describe\_vpn\_connections() (computing.Client method), 152
  - describe\_vpn\_gateways() (computing.Client method), 154
  - detach\_network\_interface() (computing.Client method), 159
  - detach\_volume() (computing.Client method), 159
  - disassociate\_address() (computing.Client method), 160
  - disassociate\_route\_table() (computing.Client method), 160
  - dissociate\_users() (computing.Client method), 161
  - download\_db\_log\_file\_portion() (rdb.Client method), 461
  - download\_ssl\_certificate() (computing.Client method), 162
- ## E
- execute\_script() (script.Client method), 488
- ## G
- generate\_presigned\_url() (computing.Client method), 162
  - generate\_presigned\_url() (nas.Client method), 419
  - generate\_presigned\_url() (rdb.Client method), 462
  - generate\_presigned\_url() (script.Client method), 488
  - get\_metric\_statistics() (nas.Client method), 420
  - get\_paginator() (computing.Client method), 163
  - get\_paginator() (nas.Client method), 421
  - get\_paginator() (rdb.Client method), 462
  - get\_paginator() (script.Client method), 489
  - get\_waiter() (computing.Client method), 163
  - get\_waiter() (nas.Client method), 421
  - get\_waiter() (rdb.Client method), 462
  - get\_waiter() (script.Client method), 489
- ## I
- import\_instance() (computing.Client method), 163
  - import\_key\_pair() (computing.Client method), 168
- ## M
- modify\_db\_instance() (rdb.Client method), 462
  - modify\_db\_parameter\_group() (rdb.Client method), 466
  - modify\_event\_subscription() (rdb.Client method), 467
  - modify\_image\_attribute() (computing.Client method), 169

- [modify\\_instance\\_attribute\(\)](#) (computing.Client method), 169  
[modify\\_nas\\_instance\(\)](#) (nas.Client method), 421  
[modify\\_nas\\_security\\_group\(\)](#) (nas.Client method), 424  
[modify\\_network\\_interface\\_attribute\(\)](#) (computing.Client method), 170  
[modify\\_ssl\\_certificate\\_attribute\(\)](#) (computing.Client method), 170  
[modify\\_volume\\_attribute\(\)](#) (computing.Client method), 171
- ## N
- [nas.Client](#) (built-in class), 409  
[nifty\\_associate\\_image\(\)](#) (computing.Client method), 171  
[nifty\\_associate\\_nat\\_table\(\)](#) (computing.Client method), 172  
[nifty\\_associate\\_route\\_table\\_with\\_vpn\\_gateway\(\)](#) (computing.Client method), 172  
[nifty\\_configure\\_elastic\\_load\\_balancer\\_health\\_check\(\)](#) (computing.Client method), 173  
[nifty\\_create\\_alarm\(\)](#) (computing.Client method), 174  
[nifty\\_create\\_auto\\_scaling\\_group\(\)](#) (computing.Client method), 176  
[nifty\\_create\\_dhcp\\_config\(\)](#) (computing.Client method), 178  
[nifty\\_create\\_dhcp\\_ip\\_address\\_pool\(\)](#) (computing.Client method), 179  
[nifty\\_create\\_dhcp\\_static\\_mapping\(\)](#) (computing.Client method), 180  
[nifty\\_create\\_elastic\\_load\\_balancer\(\)](#) (computing.Client method), 180  
[nifty\\_create\\_instance\\_snapshot\(\)](#) (computing.Client method), 182  
[nifty\\_create\\_nat\\_rule\(\)](#) (computing.Client method), 183  
[nifty\\_create\\_nat\\_table\(\)](#) (computing.Client method), 185  
[nifty\\_create\\_private\\_lan\(\)](#) (computing.Client method), 186  
[nifty\\_create\\_router\(\)](#) (computing.Client method), 201  
[nifty\\_create\\_separate\\_instance\\_rule\(\)](#) (computing.Client method), 205  
[nifty\\_create\\_web\\_proxy\(\)](#) (computing.Client method), 206  
[nifty\\_delete\\_alarm\(\)](#) (computing.Client method), 208  
[nifty\\_delete\\_auto\\_scaling\\_group\(\)](#) (computing.Client method), 209  
[nifty\\_delete\\_dhcp\\_config\(\)](#) (computing.Client method), 209  
[nifty\\_delete\\_dhcp\\_ip\\_address\\_pool\(\)](#) (computing.Client method), 209  
[nifty\\_delete\\_dhcp\\_static\\_mapping\(\)](#) (computing.Client method), 210  
[nifty\\_delete\\_elastic\\_load\\_balancer\(\)](#) (computing.Client method), 210  
[nifty\\_delete\\_instance\\_snapshot\(\)](#) (computing.Client method), 211  
[nifty\\_delete\\_nat\\_rule\(\)](#) (computing.Client method), 212  
[nifty\\_delete\\_nat\\_table\(\)](#) (computing.Client method), 213  
[nifty\\_delete\\_private\\_lan\(\)](#) (computing.Client method), 213  
[nifty\\_delete\\_router\(\)](#) (computing.Client method), 213  
[nifty\\_delete\\_separate\\_instance\\_rule\(\)](#) (computing.Client method), 214  
[nifty\\_delete\\_web\\_proxy\(\)](#) (computing.Client method), 214  
[nifty\\_deregister\\_instances\\_from\\_elastic\\_load\\_balancer\(\)](#) (computing.Client method), 215  
[nifty\\_deregister\\_instances\\_from\\_separate\\_instance\\_rule\(\)](#) (computing.Client method), 216  
[nifty\\_deregister\\_routers\\_from\\_security\\_group\(\)](#) (computing.Client method), 223  
[nifty\\_deregister\\_vpn\\_gateways\\_from\\_security\\_group\(\)](#) (computing.Client method), 227  
[nifty\\_describe\\_alarm\\_history\(\)](#) (computing.Client method), 231  
[nifty\\_describe\\_alarm\\_rules\\_activities\(\)](#) (computing.Client method), 240  
[nifty\\_describe\\_alarms\(\)](#) (computing.Client method), 250  
[nifty\\_describe\\_alarms\\_partitions\(\)](#) (computing.Client method), 259  
[nifty\\_describe\\_auto\\_scaling\\_groups\(\)](#) (computing.Client method), 259  
[nifty\\_describe\\_corporate\\_info\\_for\\_certificate\(\)](#) (computing.Client method), 268  
[nifty\\_describe\\_dhcp\\_configs\(\)](#) (computing.Client method), 269  
[nifty\\_describe\\_dhcp\\_status\(\)](#) (computing.Client method), 270  
[nifty\\_describe\\_elastic\\_load\\_balancers\(\)](#) (computing.Client method), 272  
[nifty\\_describe\\_instance\\_elastic\\_load\\_balancer\\_health\(\)](#) (computing.Client method), 275  
[nifty\\_describe\\_instance\\_snapshots\(\)](#) (computing.Client method), 276  
[nifty\\_describe\\_nat\\_tables\(\)](#) (computing.Client method), 277  
[nifty\\_describe\\_performance\\_chart\(\)](#) (computing.Client method), 280  
[nifty\\_describe\\_private\\_lans\(\)](#) (computing.Client method), 281  
[nifty\\_describe\\_routers\(\)](#) (computing.Client method), 296  
[nifty\\_describe\\_scaling\\_activities\(\)](#) (computing.Client method), 301  
[nifty\\_describe\\_separate\\_instance\\_rules\(\)](#) (computing.Client method), 302  
[nifty\\_describe\\_vpn\\_gateway\\_activities\(\)](#) (computing.Client method), 309  
[nifty\\_describe\\_web\\_proxies\(\)](#) (computing.Client method), 309

- method), 310
  - nifty\_disable\_dhcp() (computing.Client method), 312
  - nifty\_disassociate\_nat\_table() (computing.Client method), 312
  - nifty\_disassociate\_route\_table\_from\_vpn\_gateway() (computing.Client method), 313
  - nifty\_enable\_dhcp() (computing.Client method), 313
  - nifty\_failover\_db\_instance() (rdb.Client method), 468
  - nifty\_get\_metric\_statistics() (rdb.Client method), 472
  - nifty\_modify\_address\_attribute() (computing.Client method), 314
  - nifty\_modify\_customer\_gateway\_attribute() (computing.Client method), 314
  - nifty\_modify\_elastic\_load\_balancer\_attributes() (computing.Client method), 315
  - nifty\_modify\_instance\_snapshot\_attribute() (computing.Client method), 316
  - nifty\_modify\_key\_pair\_attribute() (computing.Client method), 317
  - nifty\_modify\_private\_lan\_attribute() (computing.Client method), 317
  - nifty\_modify\_router\_attribute() (computing.Client method), 318
  - nifty\_modify\_vpn\_gateway\_attribute() (computing.Client method), 318
  - nifty\_modify\_web\_proxy\_attribute() (computing.Client method), 319
  - nifty\_reboot\_routers() (computing.Client method), 320
  - nifty\_reboot\_vpn\_gateways() (computing.Client method), 320
  - nifty\_register\_instances\_with\_elastic\_load\_balancer() (computing.Client method), 321
  - nifty\_register\_instances\_with\_separate\_instance\_rule() (computing.Client method), 322
  - nifty\_register\_port\_with\_elastic\_load\_balancer() (computing.Client method), 329
  - nifty\_register\_routers\_with\_security\_group() (computing.Client method), 332
  - nifty\_register\_vpn\_gateways\_with\_security\_group() (computing.Client method), 336
  - nifty\_release\_router\_backup\_state() (computing.Client method), 340
  - nifty\_release\_vpn\_gateway\_backup\_state() (computing.Client method), 341
  - nifty\_replace\_dhcp\_config() (computing.Client method), 341
  - nifty\_replace\_dhcp\_option() (computing.Client method), 342
  - nifty\_replace\_elastic\_load\_balancer\_latest\_version() (computing.Client method), 343
  - nifty\_replace\_nat\_rule() (computing.Client method), 343
  - nifty\_replace\_nat\_table\_association() (computing.Client method), 345
  - nifty\_replace\_route\_table\_association\_with\_vpn\_gateway() (computing.Client method), 346
  - nifty\_replace\_router\_latest\_version() (computing.Client method), 346
  - nifty\_replace\_vpn\_gateway\_latest\_version() (computing.Client method), 347
  - nifty\_restore\_instance\_snapshot() (computing.Client method), 347
  - nifty\_restore\_router\_previous\_version() (computing.Client method), 348
  - nifty\_restore\_vpn\_gateway\_previous\_version() (computing.Client method), 348
  - nifty\_retry\_import\_instance() (computing.Client method), 349
  - nifty\_update\_alarm() (computing.Client method), 349
  - nifty\_update\_auto\_scaling\_group() (computing.Client method), 351
  - nifty\_update\_elastic\_load\_balancer() (computing.Client method), 353
  - nifty\_update\_instance\_network\_interfaces() (computing.Client method), 354
  - nifty\_update\_router\_network\_interfaces() (computing.Client method), 355
  - nifty\_update\_separate\_instance\_rule() (computing.Client method), 356
  - nifty\_update\_vpn\_gateway\_network\_interfaces() (computing.Client method), 356
- ## R
- rdb.Client (built-in class), 426
  - reboot\_db\_instance() (rdb.Client method), 473
  - reboot\_instances() (computing.Client method), 357
  - register\_corporate\_info\_for\_certificate() (computing.Client method), 358
  - register\_instances\_with\_load\_balancer() (computing.Client method), 359
  - register\_instances\_with\_security\_group() (computing.Client method), 360
  - register\_port\_with\_load\_balancer() (computing.Client method), 367
  - release\_address() (computing.Client method), 370
  - remove\_source\_identifier\_from\_subscription() (rdb.Client method), 476
  - replace\_route() (computing.Client method), 371
  - replace\_route\_table\_association() (computing.Client method), 371
  - reset\_db\_parameter\_group() (rdb.Client method), 477
  - restore\_db\_instance\_from\_db\_snapshot() (rdb.Client method), 478
  - restore\_db\_instance\_to\_point\_in\_time() (rdb.Client method), 482
  - revoke\_db\_security\_group\_ingress() (rdb.Client method), 486
  - revoke\_nas\_security\_group\_ingress() (nas.Client method), 425

revoke\_security\_group\_ingress() (computing.Client method), 372  
run\_instances() (computing.Client method), 373

## S

script.Client (built-in class), 487  
set\_filter\_for\_load\_balancer() (computing.Client method), 381  
start\_instances() (computing.Client method), 382  
stop\_instances() (computing.Client method), 389

## T

terminate\_instances() (computing.Client method), 396

## U

update\_load\_balancer() (computing.Client method), 403  
update\_load\_balancer\_option() (computing.Client method), 403  
update\_security\_group() (computing.Client method), 404  
update\_security\_group\_option() (computing.Client method), 405  
upload\_ssl\_certificate() (computing.Client method), 405

## W

wait() (computing.Waiter.InstanceDeleted method), 406  
wait() (computing.Waiter.InstanceExists method), 407  
wait() (computing.Waiter.InstanceRunning method), 407  
wait() (computing.Waiter.InstanceStopped method), 408