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# **Eve Genie Documentation**

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# Eve Genie

A tool for making Eve schema generation easier.

**Use case:** You need to stand up an api quickly. You know what your data looks like in JSON but don't yet know the syntax for Eve/Cerberus.

## Requirements

```
sudo pip install -r requirements.txt
```

## Use

### Cli

```
python geneve.py your_json_file
```

### In code

```
“python from evegenie import EveGenie eg = EveGenie(filename='test.json') # Or with open('test.json', 'r') as ifile:
```

```
data = ifile.read()
```

```
eg = EveGenie(data=data) eg.write_file('mytest.settings.py')
```

```
““
```

```
cat mytest.settings.py
```

```
user = {
```

```
    'schema': { 'name': {'type': 'string'}, 'title': {'type': 'string'}, 'age': {'type': 'integer'}, 'alive':
                {'type': 'boolean'}, 'inventory': {'type': 'list'}, 'address': {
```

```
                    'type': 'dict', 'schema': {
```

```
                        'city': {'type': 'string'}, 'state': {'type': 'string'}, 'address': {'type': 'string'},
```

```
                    }
```

```
                }
```

```
    }
```

```
}
```

```
artifact = {
```

```
    'schema': { 'color': {'type': 'string'}, 'cost': {'type': 'float'}, 'stats': {
```

```
                'type': 'dict', 'schema': {
```

```
                    'length': {'type': 'float'}, 'weight': {'type': 'float'}, 'power': {'type': 'inte-
                    ger'},
```

```
                }
```

```
    } 'name': {'type': 'string'},
```

```
    }
```

```
}
```

## Special evegenie strings

Certain strings passed in via the source json will be converted to eve schema types with sane defaults.

- “*fieldname*”: “*objectid:sample-entity*” will add `data_relation` to `sample-entity` to the schema
- “*fieldname*”: “*0-100*” will create an integer with a min of 0 and a max of 100

- “*fieldname*”: “0.0-1.0” will create a float with a min of 0 and a max of 1
- “*fieldname*”: {“*allow\_unknown*”: *true*} will translate directly to *fieldname* that allows the unknown

## Test

```
py.test egtest.py
```

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