
django-db-snapshot Documentation

Release 1.0.b

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Reusable Django app for fully automatic database snapshots

Installation

1. Install backup server with LVM support. Install and configure mylvmbbackup config file

```
$ apt-get install mylvmbbackup
$ cp /etc/mylvmbbackup.conf{,.bak}
$ cat > /etc/mylvmbbackup.conf << END
[mysql]
user=root
password=123password123

socket=/var/run/mysqld/mysqld.sock

[lvm]
vgname=vg0
lvname=mysql
lvsize=2G
END
```

2. Install dbsnapshot using pip:

```
$ pip install django-db-snapshot
```

3. Add the dbsnapshot application to INSTALLED_APPS

4. Configure django-celery on project settings

```
$ apt-get install redis-server
$ pip install django-celery
```

```
INSTALLED_APPS += ('djcelery',)

BROKER_URL = 'redis://127.0.0.1:6379/1'
CELERYBEAT_SCHEDULER = 'djcelery.schedulers.DatabaseScheduler'
```

```
import djcelery
djcelery.setup_loader()
```

5. Sync database (./manage.py syncdb or ./manage.py migrate)
6. Run internal dbsnapshot server (./manage.py run_dbsnapshot_server)
7. Restart Redis instance

```
$ /etc/init.d/redis-server restart
```

8. Add backup server and configure backup options on django admin interface (/admin/dbsnapshot/server/)
9. That's all. Enjoy.

Settings

dbsnapshot has some configuration:

```
DBS_SERVER_HOST = '127.0.0.1'
DBS_SERVER_PORT = 61216
DBS_BACKUP_DIR = '/var/cache/mylvmbackup/backup'
DBS_MLB_BIN = '/usr/bin/mylvmbackup'
```

Installation for development

```
$ sudo apt-get install virtualenvwrapper
$ mkvirtualenv django-db-snapshot
$ git clone https://github.com/LPgenerator/django-db-snapshot.git
$ cd django-db-snapshot
$ python setup.py develop
$ cd demo
$ pip install -r requirements.txt
$ python manage.py syncdb
$ python manage.py migrate
$ python manage.py shell
```

```
>>> import dbsnapshot
>>> print dbsnapshot.get_version()
```

Contributing

If you wish to contribute, please add corresponding tests.

Running tests:

```
make test
```

Checking coverage (requires coverage package):


```
make coverage
```

Run tests for all python-django combinations

```
tox
```

Credits

Development Lead

- GoTLiuM InSPiRiT <gotlium@gmail.com>

Contributors

None yet. Why not be the first?

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Contributing

You can grab latest code on `master` branch at [Github](#).

Feel free to submit [issues](#), pull requests are also welcome.

Good contributions follow [simple guidelines](#)