django-osm Documentation

Release 0.1.0

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CONTENTS

Contents:

CHAPTER

ONE

DJANGO-OSM

Project Open Street Map management

1.1 Documentation

The full documentation is at https://django-osm.readthedocs.io.

1.2 Quickstart

Install django-osm:

```
pip install django-osm
```

Add it to your *INSTALLED_APPS*:

```
INSTALLED_APPS = (
    ...
    "django.contrib.gis",
    "django_celery_beat",
    "rest_framework",
    "rest_framework_gis",
    "osm",
    ...
)

DATABASE_ROUTERS = [
    ...
    'osm.route_db.Default'
]

DATABASES = {
    ...
    'osm': {
        'ENGINE': 'django.contrib.gis.db.backends.postgis',
```

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```
        'HOST': 'localhost',
        'NAME': 'geodjango',
    },
}
OSM_REPLICS = ['osm']
```

If there is OSM database replication, then add the connection parameters to us in the list of databases:

```
DATABASES = {
    ...
    'osm_replica1': {
        'ENGINE': 'django.contrib.gis.db.backends.postgis',
        'HOST': 'localhost',
        'NAME': 'geodjango',
        },

}
```

And complete the list of replicas OSM_REPLICS:

```
OSM_REPLICS = ['osm', 'osm_replica1']
```

Add django-osm's URL patterns:

```
urlpatterns = [
    ...
    path('osm/', include('osm.urls', namespace='osm')),
    ...
]
```

Add DRF settings:

```
 REST_FRAMEWORK = {
     "DEFAULT_AUTHENTICATION_CLASSES": (
         "rest_framework.authentication.SessionAuthentication",
         "rest_framework.authentication.TokenAuthentication",
     ),
     "DEFAULT_PERMISSION_CLASSES": ("rest_framework.permissions.IsAuthenticated",),
     'DEFAULT_PAGINATION_CLASS': 'rest_framework.pagination.LimitOffsetPagination',
     'PAGE_SIZE': 25
}
```

1.3 Features

- TODO

1.4 Running Tests

Does the code actually work?

```
source <YOURVIRTUALENV>/bin/activate
(myenv) $ pip install tox
(myenv) $ tox
```

1.5 Development commands

```
pip install -r requirements_dev.txt
invoke -l
```

1.6 Credits

Tools used in rendering this package:

- Cookiecutter
- cookiecutter-djangopackage

CHAPTER

TWO

INSTALLATION

At the command line:

```
$ easy_install django-osm
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv django-osm
$ pip install django-osm
```

CHAPTER

THREE

USAGE

To use django-osm in a project, add it to your *INSTALLED_APPS*:

```
INSTALLED_APPS = (
    ...
    "django.contrib.gis",
    "django_celery_beat",
    "rest_framework",
    "rest_framework_gis",
    "osm",
    ...
)

DATABASE_ROUTERS = [
    ...
    'osm.route_db.Default'
]

DATABASES = {
    ...
    'osm': {
        'ENGINE': 'django.contrib.gis.db.backends.postgis',
        'HOST': 'localhost',
        'NAME': 'geodjango',
    },
}
OSM_REPLICS = ['osm']
```

Add django-osm's URL patterns:

```
urlpatterns = [
    ...
    path('osm/', include('osm.urls', namespace='osm')),
    ...
]
```

CHAPTER

FOUR

CONTRIBUTING

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

4.1 Types of Contributions

4.1.1 Report Bugs

Report bugs at https://github.com/dcopm999/django-osm/issues.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

4.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with "bug" is open to whoever wants to implement it.

4.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with "feature" is open to whoever wants to implement it.

4.1.4 Write Documentation

django-osm could always use more documentation, whether as part of the official django-osm docs, in docstrings, or even on the web in blog posts, articles, and such.

4.1.5 Submit Feedback

The best way to send feedback is to file an issue at https://github.com/dcopm999/django-osm/issues.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

4.2 Get Started!

Ready to contribute? Here's how to set up *django-osm* for local development.

1. Fork the *django-osm* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/django-osm.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv django-osm
$ cd django-osm/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

   Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 osm tests
$ python setup.py test
$ tox
```

   To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, and 3.3, and for PyPy. Check https://travis-ci.org/dcopm999/django-osm/pull_requests and make sure that the tests pass for all supported Python versions.

4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_osm
```

CHAPTER

FIVE

CREDITS

5.1 Development Lead

- Pavel Tanchev <dcopm999@gmail.com>

5.2 Contributors

None yet. Why not be the first?

CHAPTER

SIX

HISTORY

6.1 0.1.0 (2021-01-16)

- First release on PyPI.