
Django statsd Documentation

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django_statsd is a middleware that uses *python-statsd* to log query and view durations to statsd.

- **Documentation**
 - <http://django-stats.readthedocs.org/en/latest/>
- **Source**
 - <https://github.com/WoLpH/django-statsd>
- **Bug reports**
 - <https://github.com/WoLpH/django-statsd/issues>
- **Package homepage**
 - <https://pypi.python.org/pypi/django-statsd>
- **Python Statsd**
 - <https://github.com/WoLpH/python-statsd>
- **Graphite**
 - <http://graphite.wikidot.com>
- **Statsd**
 - code: <https://github.com/etsy/statsd>
 - blog post: <http://codeascraft.etsy.com/2011/02/15/measure-anything-measure-everything/>

CHAPTER 2

Install

To install simply execute *python setup.py install*. If you want to run the tests first, run *python setup.py test*

To install, add the following to your `settings.py`:

1. `django_statsd` to the `INSTALLED_APPS` setting.
2. `django_statsd.middleware.StatsdMiddleware` to the top of your `MIDDLEWARE_CLASSES`
3. `django_statsd.middleware.StatsdMiddlewareTimer` to the bottom of your `MIDDLEWARE_CLASSES`

3.1 Configuration

You can configure `django-statsd` using the Django settings config:

```
>>> # Settings
... STATSD_HOST = '127.0.0.1'
... STATSD_PORT = 12345
```

The full list of configurations is available in [ReadTheDocs](#).

3.2 Advanced Usage

```
>>> def some_view(request):
...     with request.timings('something_to_time'):
...         # do something here
...     pass
>>>
>>> def some_view(request):
...     request.timings.start('something_to_time')
...     # do something here
...     request.timings.stop('something_to_time')
```

django_statsd Package

4.1 django_statsd Package

`django_statsd.__init__.decr` (*key*, *value=1*)
`django_statsd.__init__.incr` (*key*, *value=1*)
`django_statsd.__init__.start` (*key*)
`django_statsd.__init__.stop` (*key*)
`django_statsd.__init__.with_` (*key*)
`django_statsd.__init__.wrapper` (*prefix*, *f*)
`django_statsd.__init__.named_wrapper` (*name*, *f*)
`django_statsd.__init__.decorator` (*prefix*)

4.2 settings Module

`django_statsd.settings.STATSD_DEBUG = True`
Enable warnings such as timers which are started but not finished. Defaults to DEBUG if not configured

`django_statsd.settings.STATSD_DISABLED = False`
Statsd disabled mode, avoids to send metrics to the real server. Useful for debugging purposes.

`django_statsd.settings.STATSD_HOST = '127.0.0.1'`
Statsd host, defaults to 127.0.0.1

`django_statsd.settings.STATSD_PORT = '8125'`
Statsd port, defaults to 8125

`django_statsd.settings.STATSD_PREFIX = 'some_key_prefix'`
Set the global statsd prefix if needed. Otherwise use the root

`django_statsd.settings.STATSD_SAMPLE_RATE = 1.0`
Statsd sample rate, lowering this decreases the (random) odds of actually submitting the data. Between 0 and 1 where 1 means always

`django_statsd.settings.STATSD_TAGS_LIKE = None`
Enable creating tags as well as the bare version. This causes an ajax view to be stored both as the regular view name and as the ajax tag. Supported separators are `_is_` and `=`

`django_statsd.settings.STATSD_TRACK_MIDDLEWARE = True`
Enable tracking all requests using the middleware

`django_statsd.settings.STATSD_VIEWS_TO_SKIP = ['django.contrib.admin']`
List of regexp to ignore views.

`django_statsd.settings.get_setting(key, default=None)`

4.3 celery Module

4.4 database Module

```
class django_statsd.database.TimingCursorWrapper
    Bases: object

    execute(*args, **kwargs)
    executemany(*args, **kwargs)
```

4.5 json Module

4.6 middleware Module

```
class django_statsd.middleware.Client(prefix='view')
    Bases: object

    class_
        alias of statsd.client.Client

    get_client(*args)
    submit(*args)

class django_statsd.middleware.Counter(prefix='view')
    Bases: django_statsd.middleware.Client

    class_
        alias of statsd.counter.Counter

    decrement(key, delta=1)
    increment(key, delta=1)
    submit(*args)

class django_statsd.middleware.DummyWith
    Bases: object
```

```
class django_statsd.middleware.StatsdMiddleware(get_response=None)
    Bases: django.utils.deprecation.MiddlewareMixin

    cleanup (request)

    process_exception (request, exception)

    process_request (request)

    process_response (request, response)

    process_template_response (request, response)

    process_view (request, view_func, view_args, view_kwargs)

    scope = <thread._local object>

    classmethod skip_view (view_name)

    classmethod start (prefix='view')

    classmethod stop (*key)

class django_statsd.middleware.StatsdMiddlewareTimer(get_response=None)
    Bases: django.utils.deprecation.MiddlewareMixin

    process_exception (request, exception)

    process_request (request)

    process_response (request, response)

    process_template_response (request, response)

    process_view (request, view_func, view_args, view_kwargs)

class django_statsd.middleware.Timer(prefix='view')
    Bases: django_statsd.middleware.Client

    class_
        alias of statsd.timer.Timer

    start (key)

    stop (key)

    submit (*args)

class django_statsd.middleware.WithTimer(timer, key)
    Bases: object

django_statsd.middleware.decorator(prefix)

django_statsd.middleware.decr(key, value=1)

django_statsd.middleware.incr(key, value=1)

django_statsd.middleware.named_wrapper(name, f)

django_statsd.middleware.start(key)

django_statsd.middleware.stop(key)

django_statsd.middleware.with_(key)

django_statsd.middleware.wrapper(prefix, f)
```

4.7 redis Module

4.8 templates Module

4.9 urls Module

```
class django_statsd.urls.StatsdHTTPConnection(*args, **kwargs)
    Bases: httplib.HTTPConnection

    close(*args, **kwargs)

    connect(*args, **kwargs)
```

4.10 utils Module

```
django_statsd.utils.get_client(name, connection=None, class_=<class 'statsd.client.Client'>)
django_statsd.utils.get_connection(host=None, port=None, sample_rate=None, disabled=None)
django_statsd.utils.get_counter(name, connection=None)
django_statsd.utils.get_timer(name, connection=None)
```

CHAPTER 5

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