
Django statsd Documentation

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Introduction

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/>

Install

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

Usage

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 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 = None
    Enable warnings such as timers which are started but not finished. Defaults to DEBUG if not configured

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 = None
    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 = False
    Enable tracking all requests using the middleware

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 Client

    get_client (*args)

    submit (*args)

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

    class_
        alias of Counter

    decrement (key, delta=1)

    increment (key, delta=1)

    submit (*args)

class django_statsd.middleware.DummyWith
    Bases: object

class django_statsd.middleware.StatsdMiddleware
    Bases: object

    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 start (prefix='view')

    classmethod stop (*key)
```

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

    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 Timer

    start (key)

    stop (key)

    submit (*args)

class django_statsd.middleware.TimingMiddleware (*args, **kwargs)
    Bases: django_statsd.middleware.StatsdMiddleware

    classmethod deprecated (*args, **kwargs)

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*)

`django_statsd.utils.get_counter` (*name*, *connection=None*)

`django_statsd.utils.get_timer` (*name*, *connection=None*)

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