Django statsd Documentation

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CHAPTER 1

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/

CHAPTER 2

Install

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

CHAPTER 3

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')
```

CHAPTER 4

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_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.`**`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*)
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 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*)

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

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

CHAPTER 5

Indices and tables

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