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# **django-sitemetrics Documentation**

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## Contents

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<b>1</b>	<b>Requirements</b>	<b>3</b>
<b>2</b>	<b>Table of Contents</b>	<b>5</b>
2.1	Getting started . . . . .	5
2.2	Customizing sitemetrics . . . . .	6
<b>3</b>	<b>Get involved into django-sitemetrics</b>	<b>9</b>
<b>4</b>	<b>Also</b>	<b>11</b>



<http://github.com/idlesign/django-sitemetrics>

*Reusable application for Django providing easy means to integrate site metrics counters into your sites*



# CHAPTER 1

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## Requirements

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1. Python 2.7+ or 3.5+
  2. Django 1.8+
  3. Django Sites contrib enabled (optional)
  4. Django Admin contrib enabled (optional)





## 2.1 Getting started

- Add the `sitemetrics` application to `INSTALLED_APPS` in your settings file (usually `settings.py`).
- Add `{% load sitemetrics %}` tag to the top of a template (usually base template, e.g. `_base.html`).
- Use `./manage.py migrate` to install `sitemetrics` tables into your database.

### 2.1.1 Quick example

You have two options to add metrics counters code to your pages:

1. Let's add Google Analytics counter without Admin Contrib involvement add a `four arguments sitemetrics` tag into your template:

```
{% sitemetrics by google for "UA-000000-0" %}
```

Here: `google` is a metrics provider alias; `UA-000000-0` - metrics counter keycode.

2. Now let's use `no arguments sitemetrics` tag notation to place metrics counter code associated through the Admin Contrib with the current site (if any):

```
{% sitemetrics %}
```

You're done.

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**Note:** Since v0.6.0 counter code in `DEBUG` mode is replaced with `<!-- sitemetrics counter removed on DEBUG -->` to keep stats clean. If you wish to see counter code in `DEBUG` set `SITEMETRICS_ON_DEBUG` to `True` in project settings file.

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## 2.2 Customizing sitemetrics

Here we'll talk on how you can customize **sitemetrics** to your needs.

### 2.2.1 Customizing metric counters

Some metrics providers allows you to adjust metrics settings, thus changing counters code.

In **sitemetrics** counters are described in classes, so you can adjust counters functionality by customizing class attributes values.

Let' try and customize the built-in *Yandex Metrics* counter:

1. First, we define our new customized class somewhere within your project, (let's say, *my\_counters.py* inside *my\_app* application):

```
from sitemetrics.providers import Yandex

# We inherit from the built-in Yandex Metrics counter class.
class MyYandexProvider(Yandex):

    title = 'My Yandex Metrika' # This is to differentiate from parent.

    def __init__(self):
        # Parent class has `webvisor` counter param set to True,
        # bu we don't want that functionality and disable it.
        self.params['webvisor'] = False
```

2. Second, we introduce our class to Django, putting *SITEMETRICS\_PROVIDERS* tuple into projects' *settings.py*:

```
# Below is a tuple with classes paths to your metrics counters classes.
# We have just one.
SITEMETRICS_PROVIDERS = ('my_app.my_counters.MyYandexProvider',)
```

### 2.2.2 Implementing new metrics providers

1. Implement a class describing counter aspects, somewhere within your project, (let's say, *my\_metrics.py* inside *my\_app* application):

```
from sitemetrics.providers import MetricsProvider

# We inherit from the built-in MetricsProvider counter class.
class MyMetrics(MetricsProvider):

    title = 'My Metrics' # Human-friendly title.
    alias = 'my_metrics' # Alias to address counter from templates.

    # And here are counter params, which are passed into counter template.
    params = {
        'my_param_1': True,
        'my_param_2': 30,
    }
```

2. Create a counter template (**sitemetrics** will search for it in '{your\_app}/templates/sitemetrics/{provider\_alias}.html'). *keycode* variable will be available within this template. *keycode.keycode* will contain counter identifier:

```
keycode: {{ keycode.keycode }}

{% if keycode.my_param_1 %}
    my_param_1 set to True,
    my_param_2 is {{ keycode.my_param_2 }}
{% endif %}
```

The code above is of course not a real counter code, yet it can give you an idea on how to create a real one.

3. Now if you want to see your counter built into the **sitemetrics** fire an issue or a pull request at <https://github.com/idlesign/django-sitemetrics/> or if you want to keep it private use *SITEMETRICS\_PROVIDERS* definition approach (described in the previous section) to introduce your class to your Django project.



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### Get involved into django-sitemetrics

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**Submit issues.** If you spotted something weird in application behavior or want to propose a feature you can do that at <https://github.com/idlesign/django-sitemetrics/issues>

**Write code.** If you are eager to participate in application development, fork it at <https://github.com/idlesign/django-sitemetrics>, write your code, whether it should be a bugfix or a feature implementation, and make a pull request right from the forked project page.

**Translate.** If want to translate the application into your native language use Transifex: <https://www.transifex.com/projects/p/django-sitemetrics/>.

**Spread the word.** If you have some tips and tricks or any other words in mind that you think might be of interest for the others — publish them.



## CHAPTER 4

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Also

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If the application is not what you want for site metrics, you might be interested in considering the other choices — <https://www.djangopackages.com/grids/g/analytics/>