
Django Downtime Documentation

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Derek Stegelman

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Overview

Small, simple, app to show a down page while you make upgrades.

Purpose

This app simply runs middleware that checks to see if the site is down for maintenance. If it is, (with a period of downtime added to the apps models) either a redirect occurs or a template is loaded with a down time message. This app isn't intended to be a full service solution as it still requires that the django site remain functional to work. In other cases it may be more beneficial to point your domain at a different server instead.

Contents:

2.1 Installation

Django Downtime supports Django 1.8 - 1.9 and Python 2 and 3.

To install django-downtime:

```
pip install django-downtime
```

add to installed apps:

```
INSTALLED_APPS += (  
    'downtime',  
)
```

Add downtime middleware to the top your list of installed middlewares:

```
'downtime.middleware.DowntimeMiddleware',
```

2.1.1 Settings

Exempted URLs:

```
DOWNTIME_EXEMPT_EXACT_URLS = (  
    '/', # exempts homepage  
    '/other_location/not_down/page',  
)
```

Exempted Paths:

```
DOWNTIME_EXEMPT_PATHS = (  
    '/admin',  
    '/other_location_not_down',  
)
```

Url Redirect:

```
DOWNTIME_URL_REDIRECT = "http://errors.mypage.com"
```

2.1.2 Templates

If no URL Redirect is specified a lame default template is rendered, this can be overridden by specifying a `downtime/downtime.html` template.

2.2 Usage

2.2.1 Adding Downtime

Using the admin site

Head on over to the django admin and add a new `period` instance. It is recommended to add your admin site to the tuple of `DOWNTIME_EXEMPT_PATHS` so that you can still login and bring the site online earlier than scheduled.

Using the management command

Use `python manage.py downtime_start` to start an unscheduled downtime. This sets a start date time and mark is as enabled. We call this “deployment mode”, usually called before running a deployment script.

2.2.2 Bringing The Site Back Up

Using the admin site

Either delete the `Period` instance or uncheck `enable` for the current downtime instance.

Using the management command

To set the site back up run `python manage.py downtime_end`.

This sets a end date time to all records that has a start date time and no end date time set and are marked as enabled. We call this “closing deployment mode”, usually called after running a deployment script.

2.3 Contributors

Authors

- Derek Stegelman (dstegelman)

Contributors

- Philippe O. Wagner (philippeowagner)
- Martey Doodoo (martey)
- bartoszgrabski

- Harley Hauer (hhauer)
- Thijs Triemstra (thijstriemstra)
- Kevin Glover (kevinglover)

2.4 Changelog

2.4.1 1.1.0

- Django 1.9 support
- Drop support for below 1.8

2.4.2 1.0.4

- Exempt specific URLs #33

2.4.3 1.0.3

- Command bug fixes
- Added date/time to unicode for models.

2.4.4 1.0.2

- Add downtime up/down commands

2.4.5 1.0.1

- Templates were not bundled correctly in 1.0.0

2.4.6 1.0.0

- Python 2/3 Support. Django 1.8 support

2.4.7 0.3.3

- Change status code to 503 #13

2.4.8 0.3.2

- Minor changes to fix deprecation warnings in Django 1.7.

2.4.9 0.3.1

2.4.10 0.3

2.4.11 0.2

2.4.12 0.1

2.5 License

The MIT License (MIT)

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