
ios-notification Documentation

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nnsnodnb

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1.1 Introduction

1.1.1 A Django plugin for Apple Push Notification Service.

Supported python versions

2.7, 3.4, 3.5, 3.6

Supported django versions

1.7 - 1.11

Installation

```
$ pip install ios-notification
```

Author

nmsnodnb

LICENSE

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1.2 Prepare

1.2.1 Set up

settings.py

Add notification into INSTALLED_APPS in settings.py file

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

urls.py

Add notification routing in urls.py file

```
from django.conf.urls import include  
  
urlpatterns += (  
    url(r'^ios/', include('notification.urls', namespace='notification')),  
)
```

Migration

```
$ python manage.py migrate
```

Prepare application

```
$ python manage.py createsuperuser  
$ python manage.py runserver
```

Please access http://127.0.0.1:8000/cert_upload and login by **superuser**, then upload push notification's certificate.

Note:

- PEM file not locked.
- Secure PEM file which is not double transfer etc.

```
$ openssl pkcs12 -in hoge.p12 -out hoge.pem -nodes -clcerts
```

1.3 Routes

- */receive*
- */send*
- */cert_upload*

- */login*
- */logout*

1.3.1 Detail

/receive

Send device token <http://127.0.0.1:8000/receive> with UUID.

Request parameters

Name	Type	Required	Note
device_token	String	YES	64 letters
uuid	String	YES	36 letters
sandbox	Bool	YES	•

- Request method: PUT
- Content-Type: application/json
- Model: `notification.models.DeviceToken`
- Success response: `{"result": "success"}`
- Failure response: `{"error": "Bad Request"}`

`notification.models.DeviceToken` has user field so you can also associate users by applying `django.contrib.auth.models.User`.

Sample Request

```
$ curl -X PUT http://127.0.0.1:8000/receive \
  -d '{"device_token":
↪ "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX", "uuid":
↪ "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX", "sandbox": true}'
```

/send

It is possible to send a push notification easily.

Real route is `/send/<TARGET_MODE>/<DEVICE_TOKEN>`.

TARGET_MODE

- Development: 0
- Distribution: 1

DEVICE_TOKEN

- Device token registered DATABASE.

Request parameter

Name	Type	Required	Note
message	String	NO	URL encoded

- Request method: GET

Sample Request

Use sandbox

```
http://127.0.0.1:8000/send/0/  
↪XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX?message=test%20push  
↪%20notification
```

NOT use sandbox

```
http://127.0.0.1:8000/send/1/  
↪XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

/cert_upload

Upload push notifications' certificates by superuser.

Note:

- PEM file not locked.
 - Secure PEM file which is not double transfer etc.
-

/login

Login to session.

/logout

Logout from session.

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```
(--all) \  
--title Notification's\ title \  
(--subtitle Notification's\ subtitle) \  
(--body Notification's\ body) \  
(--sound default) \  
(--badge 1) \  
(--contentavailable) \  
(--mutablecontent) \  
(--extra '{"key":"value","key2":"value2"}')
```

About each argument for multiple push notification

Argument name	Description	Re-quired	De-fault
--sandbox, -s	Use apple sandbox.	NO	False
--token, -t	Target device token.	YES	None
--all, -a	Target all device tokens.	NO	False
--title	Title displayed in push notification.	YES	None
--subtitle	Subtitle displayed in push notification.	NO	None
--body	Body displayed in push notification.	NO	None
--sound	Sounds to be heard when push notification is received.	NO	default
--badge	Badge displayed on application icon.	NO	0
--contentavailable, -c	Use content-available. (Support for iOS7 or higher)	NO	False
--mutablecontent, -m	Use mutable-content. (Support for iOS9 or higher)	NO	False
--extra, -e	Custom notification payload values as a JSON dictionary.	NO	None

CHAPTER 2

Indices and tables

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