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# **ios-notification Documentation**

***Release 0.0.5 alpha***

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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
```

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#### LICENSE

MIT License

## 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](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.

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#### Note:

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

### /login

Login to session.

### /logout

Logout from session.

## 1.4 Command

### 1.4.1 Single push notification

Send a push notification to one device token.

#### Sample command

```
$ cd /path/to/your_django_project/
$ python manage.py singlepush (--sandbox) \
                             --token 
→XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX \
                             --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 single push notification

Argument name	Description	Re- quired	De- fault
--sandbox, -s	Use apple sandbox.	NO	False
--token, -t	Target device token.	YES	None
--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

### 1.4.2 Multiple push notifications

Send push notifications to some device tokens.

#### Sample command

```
$ cd /path/to/your_django_project/
$ python manage.py multipush (--sandbox) \
                             -t 
→XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
→YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY \
                             (--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

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### Indices and tables

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