Postal Push Notification Server

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Postal is a free and open source push notification server written in C.

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Many system operators will want to know what is going on with their system. Postal provides a mechanism for being notified about events happening within the system. This mechanism uses a PUBSUB channel via Redis to deliver

JSON formatted events. This feature requires that you configure Postal with --enable-redis=yes.

3.1 Configuration

Metrics delivery via Redis provides the following configuration options.

Option	Value	Description
enabled	true or false	If metric delivery is enabled.
host	hostname	The hostname of the Redis server.
port	6379	The port of the Redis server.
channel	event:postal	The Redis PUBSUB channel name.

Figure 1: Redis Configuration Options

The options should be stored in the redis group in postal.conf. See the example below.

```
[redis]
enabled = true
host = localhost
port = 6379
channel = events:postal
```

Figure 2: Redis Configuration Example

3.2 Events

The following sections describe the various types of events that you may receive.

3.2.1 Device Added

This event is published when Postal has received a request to add a new device.

```
{
   "Action": "device-added",
   "DeviceType": "gcm",
   "DeviceToken": "12341234-12341234",
   "User": "00000000000111122223333"
}
```

3.2.2 Device Updated

This event is published when Postal has updated the information for a device. This could happen if an API request has been processed to change the attributes of the device.

```
{
   "Action": "device-updated",
   "DeviceType": "gcm",
   "DeviceToken": "12341234-12341234",
   "User": "00000000000111122223333"
}
```

3.2.3 Device Removed

This event is published when Postal has been requested to remove a device. This could happen from an API request that specifically requests the removal of a device. This could also happen if push notifications have been disabled for a device. Additionally, with APS, this could happen if the feedback service has requested the removal of a device.

```
{
   "Action": "device-removed",
   "DeviceType": "gcm",
   "DeviceToken": "12341234-12341234",
   "User": "00000000000111122223333"
}
```

3.2.4 Device Notified

This event is published when Postal has successfully delivered a notification to the gateway. This does not mean that the device has received the notification. The various gateways to not provide this information so that is not available.

```
{
   "Action": "device-notified",
   "DeviceType": "gcm",
   "DeviceToken": "12341234-12341234",
   "User": "00000000000111122223333"
}
```