

# Sending Push Notifications

fork and edit tutorial (<https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/8.0/notifications/sending-push-notifications/index.md>) | report issue (<https://github.ibm.com/MFPSamples/DevCenter/issues/new>)

teach how to send push notifications: 1. how to handle tokens for added security 2. by tag/broadcast, 3. to specific user (authentication)

Push notifications can now be sent from the operations console.

*Prerequisite:* Make sure to read the push notifications overview to set up your environment appropriately and the corresponding platforms for your application.

## Overview

- Settings Up Tags in the Console
- Sending Push Notifications from the Console
- Setting Up Custom Push Notifications
- Sending a Secure Push Notification

## Setting Up Tags in the Console

In the MobileFirst Operations Console → **[your application]** → **Push** → **Tags**, and select the **Create New** button. Provide the appropriate **Tag Name** and **Description**. Then, click **Save**.

The screenshot shows the 'Push' section of the MobileFirst Operations Console. A modal window titled 'New Tag' is open, allowing the user to create a new tag. The modal contains two required fields: 'Tag Name' and 'Description', each with a red asterisk indicating it is mandatory. Below these fields are 'Save' and 'Cancel' buttons. In the background, the 'Tags' section is visible, showing a 'Create New' button and a diagram of a smartphone with a notification bubble, indicating that tags are used to target specific devices.

## Sending Push Notifications from the Console

In the MobileFirst Operations Console → **[your application]** → **Push** → **Send Push**. Select who to **Send To** and **Notification Text**. Then, click **Send**.

There are two types of notifications that can be sent: tag and broadcast notifications.

Tag notifications are notification messages that are targeted to all the devices that are subscribed to a particular tag. Tags represent topics of interest to the user and provide the ability to receive notifications according to the chosen interest. This can be done by selecting **Send To > Devices By Tags**.

# Push

**Send Push**

Tags

Push Settings

## Send Push

Enter the content and audience for the notification.

**Send To \***

Devices by Tags



**Tag Name \***

Type Tag Name

**Notification Text \***

Enter notification text

> iOS Custom Settings

Send

Broadcast notifications are a form of tag push notifications that are targeted to all subscribed devices.

Broadcast notifications are enabled by default for any push-enabled MobileFirst application by a subscription to a reserved Push.all tag (auto-created for every device). This can be done by selecting **To > All**.

Send

# Push

Send Push

Tags

Push Settings

## Send Push

Enter the content and audience for the notification.

Send To \*

All



Notification Text \*

Enter notification text

> iOS Custom Settings

Send

## Setting Up Custom Push Notifications

### Android

If you want to change the notification title, then add `push_notification_tile` in the **strings.xml** file.

### iOS

You also have the option of customizing your iOS Push Notifications in Send Push > iOS Custom Settings.

▼ iOS Custom Settings

## iOS

### Badge

The number to display as the badge of the app icon. To remove the badge, set the value of this property to 0.

### Sound

Indicates a sound to play when the device receives the notification. Supports default or the filename of a sound resource bundled in the app.

### Action Key

Displays an alert that includes the Close and View button, where the string is used as a key to get a localized string for the View button title

### Category

Provide this key with a string value that represents the identifier property of the `UIMutableUserNotificationCategory` object that you created to define custom actions.

### Type

☐ Default ☐ Silent ☐ Mixed

### Additional Payload

Specify custom payload values outside the Apple-reserved `aps` dictionary.

## Sending a Secure Push Notification

TODO