# Push notifications in native Windows 8 applications

fork and edit tutorial (https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/7.0/notifications/push-notifications-native-windows-8-applications.html) | report issue (https://github.ibm.com/MFPSamples/DevCenter/issues/new)

#### **Overview**

IBM MobileFirst Platform Foundation provides a unified set of API methods to send, or push, notifications to devices where the MobileFirst application is installed. It is possible to send notification in 3 distinct types: event source notification, broadcast notification, or tag-based notification.

This tutorial explains the concept, API, and usage of push notifications in the context of Native Windows 8 applications.

To create and configure a Windows 8 native project, first follow these tutorials:

- Creating your first Native Windows 8 MobileFirst application (../../hello-world/creating-first-native-windows-8-mobilefirst-application/)
- Invoking adapter procedures from native Windows 8 applications (../../server-side-development/invoking-adapter-procedures-native-windows-8-applications/)

The following topics are covered:

- Setting up push notification
- Notification types

## Setting up push notification

#### Server side

In the application-descriptor.xml file, for *windows8*, set the following attributes to the pushSender element.

packageSID - Unique identifier of your Windows Store app

clientSecret - Secret key

#### Client side

Set the Identity Name and Publisher values manually in the package manifest or associate your native project with the application in the Windows Store by right-clicking the project and selecting **Store->Associate App with the Store**.

If you want your app to support toast notification, add the ToastCapable="true" attribute to the VisualElements element in the package manifest.

For more information about setting up your native Windows 8 application for push notification, see the topic about "Setting up push notifications for Windows 8" in the user documentation.

## **Notification types**

#### **Event source notification**

Event source notifications are notification messages that are targeted to devices with a user subscription.

#### **Broadcast notification**

Broadcast notifications are notification messages that are targeted to all subscribed devices.

## Tag-based notification

Tag-based notifications are notification messages that are targeted to all the devices that are subscribed to a particular tag.

For more information, select a notification type.