# Push notifications in native Windows 8 applications

#### **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

#### <?xml version="1.0" encoding="UTF-8" standalone="no"?>

<nativeWindows8App xmlns="http://www.worklight.com/native-windows8-descriptor" id="Windows8Native-windows8-descriptor" id="Windows8-descriptor" id="Windows8

- <displayName>Windows8NativePush</displayName>
- <description>Windows8NativePush</description>
- <pushSender clientSecret="WNS\_SECRET\_KEY" packageSID="WNS\_UNIQUE\_IDENTIFIER"/>
  </nativeWindows8App>

#### 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.