Handling Push Notifications in Windows 8

In this tutorial, you will be learning how to handle push notification for Windows 8 applications.

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.

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 ability can be disabled by by unsubscribing from the reserved `Push.all` tag.

Agenda

- Notifications configuration
- Notifications API
- Handling a push notification
- Handling a secure push notification

Notifications Configuration

Notifications API

API methods for tag notifications

Client-side API

- `WLPush.subscribeTag(tagName,options)` - Subscribes the device to the specified tag name.
- `WLPush.unsubscribeTag(tagName,options)` - Unsubscribes the device from the specified tag name.
- `WLPush.isTagSubscribed(tagName)` - Returns whether the device is subscribed to a specified tag name.

API methods for tag and broadcast notifications

Client-side API

- `WLNotificationListener` - Defines the callback method to be notified when the notification arrives. `client.getPush().setWLNotificationListener(listener)`
- The `onMessage(props,payload)` method of WLNotificationListener is called when a push notification is received by the device. ··* *props* – A JSON block that contains the notification properties of the platform. ··* *payload* – A JSON block that contains other data that is sent from MobileFirst Server. It also contains the tag name for tag-based and broadcast notification. The tag name appears in the “tag” element. For broadcast notification, the default tag name is `Push.ALL`.

Handling a push notification

Handling a secure push notification