Handling Push Notifications in Windows 10

In this tutorial, you will be learning how to handle push notification for Windows 10 Universal 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)`
- `WLPush.notificationListener = new MyNotificationListener();` - Sets the implementation class of the WLNotificationListener interface.
- `WLPush.onReadyToSubscribeListener` - This method registers a listener to be used for push notifications. This listener should implement the onReadyToSubscribe() method.
- 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