

Handling Push Notifications in Android

Overview

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

Agenda

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

Notifications Configuration

1. Create new app in Android Studio
2. Add classpath 'com.google.gms:google-services:2.0.0-alpha3' to Project Gradle
3. Add compile 'com.google.android.gms:play-services-gcm:8.4.0' to app gradle
4. Add compile 'com.squareup.okhttp:okhttp:2.6.0' to app gradle
5. Add apply plugin: 'com.google.gms.google-services' to app gradle
6. Add google-services.json to app folder
7. Add all mfp core jars (bcprov, android sync, worklight-android) to libs folder and the mfpclient.properties to assets folder
8. Add mfp push sdk (ibmmobilefirstplatformfoundationpush) compile dependency in app gradle compile group:
'com.ibm.mobile.foundation', name:'ibmmobilefirstplatformfoundationpush', version:'1.0.0', ext: 'aar', transitive: true
9. Copy ibmmobilefirstplatformfoundationpush-1.0.0.aar (from halpert Electra DevOps Latest integration build) to
\extras\google\m2repository\com\ibm\mobile\foundation\ibmmobilefirstplatformfoundationpush\1.0.0\ibmmobilefirstplatformfoundationpush-1.0.0.aar Remove libs folder from the aar. Note: This step is not required once the lib gets to maven central/jcenter. Just need to add
mavenCentral()/jcenter() in app gradle.
10. Add the push required configuration in AndroidManifest.xml (Refer the sample)
11. Use the Push SDK APIs in your application (Refer the sample)

Notifications API

Handling a push notification

Handling a secure push notification