



## Migration from 4.2.0 to 4.3.0

The following guide is intended to support the migration of your App from version 4.2.0 to version 4.3.0. The new version addresses a compatibility issue with Firebase Cloud Messaging (FCM) version 18.0.0. Depending on whether your App is already using FCM or you have included FCM only because of the WDW-SDK, you have to apply different steps to migrate to the new version.

### Your App already uses FCM?

If your App already uses FCM, you are using the method `forwardPushMessageToSDK` of the class `WDWFirebaseMessagingService` to forward push messages to the WDW-SDK and the method `forwardFirebaseTokenToSDK` of the class `WDWFirebaseInstanceIdService` to notify the WDW-SDK about new tokens.

Both methods have been deprecated in the new version 4.3.0 of the WDW-SDK. You should replace the usage of both methods as follows:

- Use the method `forwardMessage` of the class `WDWPushHelper` to forward push messages to the WDW-SDK:

```
WDWPushHelper.forwardMessage(remoteMessage, context);
```

Listing 1: Forwarding messages to the WDW-SDK

- Use the method `notifyToken` of the class `WDWPushHelper` to notify the WDW-SDK about new tokens:

```
WDWPushHelper.notifyToken(context);
```

Listing 2: Notifying the WDW-SDK about new tokens

The new methods have the same signature as the old methods. Their class and method names can easily be exchanged using find & replace.

### Your App does not yet use FCM?

Even if your App does not use FCM by itself, your `AndroidManifest.xml` file includes a service definition for the class `WDWFirebaseInstanceIdService`:

```
<service
  android:name="com.bosch.wdw.WDWFirebaseInstanceIdService">
  <intent-filter>
    <action android:name="com.google.firebase.INSTANCE_ID_EVENT"/>
  </intent-filter>
</service>
```

Listing 3: Service to be removed from the manifest

The class `WDWFirebaseInstanceIdService` has been deprecated in the new version 4.3.0 of the WDW-SDK. It should no longer be used and has to be removed completely from the manifest.

Since the functionality of the class `WDWFirebaseInstanceIdService` has been integrated into the class `WDWFirebaseMessagingService`, there is no need for a replacement.



## Additional Notes

The WDW-SDK is not yet migrated from the Android Support Libraries to the Jetpack (AndroidX) Libraries. If you want to use the WDW-SDK with FCM version  $\geq 19.0.0$ , you have to enable the Jetifier feature in your `gradle.properties` file:

```
android.useAndroidX=true  
android.enableJetifier=true
```

Listing 4: Enabling the Jetifier feature