Integration Cheat Sheet for Android

① App creation

Ask your iAdvize Admin to create a "Mobile App" on the administration website and to give you those two information displayed in the "Mobile App" list (**application ID, JWT secret**)

To create the Mobile App, you will need to provide to your Administrator some information regarding the push notifications: just give your GCM API key to your administrator.

② SDK dependency

Step 1. Add the JitPack maven repository to the list of repositories:

```
allprojects {
    repositories {
        google()
        jcenter()
        maven { url "https://jitpack.io" }
    }
}
```

Step 2. Link your project with the iAdvize Conversation SDK dependency, add this line to your app's `build.gradle` :

```
implementation 'com.iadvize:iadvize-sdk:1.0.0'
```

Now you should be able to `import com.iadvize.conversation.sdk.*` in any file you want to use it.

③ Registering your application ID

Using the application ID (see Step 1 above), you can register your application by calling:

```
IAdvizeManager.registerApplicationId(this, "your-own-application-identifier-uuid")
```

④ Activating the SDK

You have two ways to activate the iAdvize Conversation SDK depending on the security model you choose.

• For the in-app security model:

```
IAdvizeManager.activate(JWTOption.Secret("yourjwtsecret"),
"connecteduseruniqueidentifierornull")
```

• For the server-side security model:

```
IAdvizeManager.activate(JWTOption.Token("yourjwttoken"),
"connecteduseruniqueidentifierornull")
```

The `externalId` a unique identifier you can provide to identify your connected user across sessions and devices. **It should not contain any private information (should not be an email, a phone number, a name...) of the user and should be opaque and unforgeable** (e.g. a dynamic UUID). If your user isn't logged-in you can pass a void value for this parameter (`null` in *Kotlin*).

Once the iAdvize Conversation SDK was successfully activated, you should see a message like this in the IDE console:

iAdvize Conversation: ✅ **iAdvize Conversation activated, the version is x.x.x.**

(5) GDPR

By default when you activate the SDK, the GDPR will be disabled. You can activate the GDPR feature by passing a new parameter to the activate method and provide a mandatory Legal Information URL link with it:

```
IAdvizeManager.activate(JWTOption.Token("yourjwttoken"),
"connecteduseruniqueidentifierornull", gdprOption = GDPROption.Enabled(URL("https://
www.iadvize.com/en/legal-notice/")))
```

The GDPR process is now activated for your users and a default message will be provided to collect the user consent. Please check the *iAdvize Conversation SDK: Customisation Cheat Sheet* if you want to customise this message.

(6) Registering push token

In order to allow your users to receive operators or experts answers in real time, you should register the current push token of the device:

```
IAdvizeManager.registerPushToken("pushtoken")
```

You can register it at any time after you activate the SDK (Step 4).

(7) Chat button

In order to invite your users to enter in a conversational experience, you have to display the default Chat button (see the *iAdvize Conversation SDK: Customisation Cheat Sheet* if you want to display your own). You can also, at any time, hide it. To do this you can simply use:

```
IAdvizeConversationManager.showChatButton()
```
```
IAdvizeConversationManager.hideChatButton()
```

(8) Push notification

Once you receive a push notification, you can easily verify that this notification concerns the SDK and to ask the SDK to handle this notification for you:

```
IAdvizeManager.isIAdvizePushNotification(remoteMessage.getData())
```
```
IAdvizeManager.handlePushNotification(this, remoteMessage.getData(), R.mipmap.notification_logo)
```

*where `remoteMessage` is the object representing the push notification and `this` the application context.

**Congrats! With those 8 first steps,
the iAdvize Conversation SDK is setup and ready to be tested! 🙌**

To customise the SDK, you can check the iAdvize *Conversation SDK Customisation Cheat Sheet*.
For any question, please send us a message to `sdk-integration@iadvize.com`