**RestComm MayDay - Android SDK**

Android Mobile SDK to easily integrate communication features (messaging, presence, voice, video) based on RestComm MayDay into native Mobile Applications.

**Import Mayday.sdk and restcomm.android.client.sdk following below steps**

**Step 1:** Create New Project in Android Studio.

**Step 2:** Now open file menu and click on import module.

**Step 3:** Open Directory.

**Step 4:** Select Directory Module.

Now select your module location from dialog, here we are using **mayday.sdk** and **restcomm.android.client.sdk**.

**Step 5**: Register Module.

1) Register module in build.gradle: For that follow these simple seven steps Open file menu and click on project structure.

2) Now in Project Structure dialog box select app under module.

3) Now Click on Dependencies tab in project structure dialog.

4) Click on + sign in right side corner.

5) Select Module Dependency from list.

6) Select module that we have import from dialog box both **mayday.sdk** and **restcomm.android.client.sdk**.

7) Click apply and Ok.

Now library/module is registered in build.gradle.

**Step 6:** Finally click on sync gradle button.

Now library-project/module is registered and synced with gradle now you can use it.

**OS/Hardware requirements**

RestComm Client SDK for Android has been tested to work on Android API level 16 and above (Android 4.1 and above).

**MayDayRegister**

Initialize MayDayRegister class for registering the device in you activity.

MayDayRegister mMayDayRegister = new MayDayRegister ();  
mMayDayRegister.setListener(this);  
  
//Initialize RCClient for remote connection  
mMayDayRegister.initialize(getApplicationContext());

**Register video/chat call**

HashMap mParams = new Hash Map<>();  
mParams.put("pref\_proxy\_domain", "sip:" + “your domain ip address”); //example :192.168.1.100  
mParams.put("pref\_sip\_user", “customer/agent name”); //example: bob  
mParams.put("pref\_sip\_password",”password”); // example:1234  
mMayDayRegister.createDevice(mParams, getApplicationContext(), MainActivity.class);

**MayDayVideoCall**

Create a two FrameLayout in activity\_main.xml

<FrameLayout  
 android:id="@+id/fragment\_content"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />  
  
<FrameLayout  
 android:id="@+id/fragment\_mayday"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />

Initialize MayDayVideoCallFragment and pass Bundle arguments to whom so ever need to make a video call.

Bundle videoBundle = new Bundle();  
videoBundle.putString(Constant.AGENT\_NAME, “customer/agent name”); //example :bob   
videoBundle.putString(Constant.DOMAIN\_ADDRESS, “you domain ip address”); // example : 192.168.1.100  
videoBundle.putString(Constant.VIDEO\_CALL, OutGoing);

MayDayVideoCallFragment videoCallFragment = new MayDayVideoCallFragment();  
videoCallFragment.setArguments(videoBundle);

FragmentManager mFragmentManagerMayDay.beginTransaction ().replace(R.id.fragment\_mayday, videoCallFragment).commit();

**MayDayMessageChat**

Initialize MayDayMessageChatFragment and pass Bundle arguments to whom so ever need to make a message chat.

Bundle chatBundle = new Bundle();  
chatBundle.putString(Constant.AGENT\_NAME,“customer/agent name”); //example :bob   
chatBundle.putString(Constant.DOMAIN\_ADDRESS, , “you domain ip address”); // example : 192.168.1.100

MayDayMessageChatFragment messageChatFragment = new MayDayMessageChatFragment();  
messageChatFragment.setArguments(chatBundle);  
  
FragmentManager mFragmentManagerMayDay.beginTransaction()  
 .replace(R.id.fragment\_mayday, messageChatFragment).commit();

**Permission in manifest.xml**

<**uses-permission android:name="android.permission.SYSTEM\_ALERT\_WINDOW"** />  
<**uses-permission android:name="android.permission.CAMERA"** />  
<**uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"** />  
<**uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"** />  
<**uses-permission android:name="android.permission.INTERNET"** />  
<**uses-permission android:name="android.permission.ACCESS\_WIFI\_STATE"** />

**Hardware feature in manifest.xml**

<**uses-feature android:name="android.hardware.camera"** />  
<**uses-feature android:name="android.hardware.camera.autofocus"** />