

# Integration Steps for Native Android Application with Netcore SDK for FCM

(<https://github.com/NetcoreSolutions/Smartech-Android-FCM-SDK>)

## Prerequisites:-

- 1: Get **google-services.json** file and **FCM Server Key** from **Firebase Developer console**
- 2: Get **App Id** and **Smartech FCM SDK** from **Smartech Panel**

## For FCM Setup in Application: (Avoid if already setup)

1. Add **google-services.json** file in app directory of project
2. Add below code in dependencies of project **build.gradle** file

```
classpath 'com.google.gms:google-services:3.0.0'
```

3. Add below code at last line in app **build.gradle** file

```
apply plugin: 'com.google.gms.google-services'
```

## For Integrate SDK:

(supported android minSdkVersion 15 or more (i.e. next version of ice cream sandwich))

1. Add below code in dependencies of app **build.gradle** file (not in child dependencies)

```
compile "in.netcore.smartechfcm:smartech-fcm:1.0.7"  
compile 'com.google.firebase:firebase-messaging:11.6.0'
```

## For Push Notification as well as inbuilt activities:

1. Paste below code in launcher Activity in method **onCreate** (above the **super.onCreate()** line)

```
NetcoreSDK.register(getApplication(), "<App ID>", "<identity>");
```

**Note:** Identity must be ""(blank) or Primary key which defined on smartech Panel

## For Login Activity add below code for login activity to make user Identified:

```
NetcoreSDK.login( context, "<identity>" );
```

## For Logout Activity add below code for logout activity to make user anonymous:

```
NetcoreSDK.logout( context, "<identity>" );
```

**For custom Activity tracking** add below code for Custom activity:

```
NetcoreSDK.track( context, "<identity>",<eventId>,payload);
```

**Note:** Activity tracking code get from Smartech panel for each custom activity

**For Profile Update**, Follow Below code

```
JSONObject newProfile = new JSONObject();
try {
    newProfile.put( "NAME", "Developer" );
    newProfile.put( "AGE", 25 );
    newProfile.put( "MOBILE", "1234567890" );
    NetcoreSDK.profile(this, "<identity>", newprofile);
}
catch ( JSONException e ) {
    e.printStackTrace();
}
```

**Note:** attribute name must be in Capital.

**To set custom push notification icon** add below code in Launching Activity:

```
NetcoreSDK.setPushIcon( context, "<path to drawable icon>");
```

e.g. NetcoreSDK.setPushIcon(getApplicationContext(), R.mipmap.ic\_launcher)

**Note:** The notification icon should be strictly in .png format as per Google's guidelines & Preferable size for push notification icons is mentioned below:

```
drawable-mdpi :- 24 x 24
drawable-hdpi :- 36 x 36
drawable-xhdpi :- 48 x 48
drawable-xxhdpi :- 72 x 72
drawable-xxxhdpi :- 96 x 96
```

**To fetch delivered push notifications** add below code in activity:

```
JSONArray jsonNotification = NetcoreSDK.getNotifications(context);
```

**Note:** The method will return a JSONArray of push notifications delivered