

# 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 Integrate SDK: (supported android minsdkversion 15 or more)

**Step 1: Add Netcore SDK (i.e. SmartechFCMSDK.aar file) in libs folder**

**Step 2: Add google-services.json file in app directory of project**

**Step 3: Follow below Instructions to modify build.gradle**

1. Add below code in dependencies of buildscript in project build.gradle (avoid if already added)

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

2. Add below code at last line in app build.gradle (avoid if already added)

```
Repositories{  
    flatDir { dirs 'libs' }  
}  
apply plugin: 'com.google.gms.google-services'
```

3. Add below code in dependencies of app build.gradle (not in child dependencies)

```
compile(name:'SmartechFCMSDK', ext:'aar')  
compile 'com.google.code.gson:gson:2.8.0'  
compile 'com.google.firebase:firebase-messaging:9.6.0'
```

## 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:

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

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

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

**Note:** Activity tracking code can be generated from Smartech panel

**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.