**Viper Integration Guideline**

1. To effectively use this library, you must make sure you have added the following **storage permissions** to your project.

<**uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"** />  
<**uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"** />

1. Use **file provider** and add it to **AndroidManifest.xml**

* Create **provider\_paths.xml** in the xml directory of android resource and add the following codes

<?**xml version="1.0" encoding="utf-8"***?>*<**paths xmlns:android="http://schemas.android.com/apk/res/android"**>  
 <**external-path name="external\_files" path="."**/>  
</**paths**>

* Then you should add the following block in **AndroidManifest.xml**

<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 package="<YOUR\_APP\_PACKAGE\_NAME>"**>  
   
  
 <**application ...**>  
  
 <**provider  
 android:name="androidx.core.content.FileProvider"  
 android:authorities="${applicationId}.provider"  
 android:exported="false"  
 android:grantUriPermissions="true"**>  
 <**meta-data  
 android:name="android.support.FILE\_PROVIDER\_PATHS"  
 android:resource="@xml/provider\_paths"  
 tools:replace="android:resource"**/>  
 </**provider**>  
 </**application**>  
  
</**manifest**>

1. Add maven credentials in root **build.gradle** of your projects

allprojects {  
 repositories {  
 google()  
 jcenter()  
  
 maven {  
 url **"s3://com.w3engineers.mesh.s3-us-west-2.amazonaws.com"** credentials(AwsCredentials) {  
 accessKey **"AKIAVFRPT2C6DUGFJRNS"** secretKey **"sigiubGd+AK0OWRnIaOQl0Pfr0F0sKFycJtHZMd7"** }  
 }  
 }  
}

1. Set **minSdkVersion 21** and add **Java8** support in your **build.gradle** of **app** module

compileOptions **{** sourceCompatibility JavaVersion.***VERSION\_1\_8*** targetCompatibility JavaVersion.***VERSION\_1\_8*}**

1. Add viper library implementation in **build.gradle** of **app** module

dependencies **{**  
...  
implementation (**'com.w3engineers.mesh:viper:0.0.1-alpha-test12:release@aar'**)**{**  
transitive=**true**  
 **}**  
**}**

1. Call the bellow line in your java class and start **Mesh** system using **Viper**

ViperClient.*on*(**<Context>**, **"<PACKAGE\_NAME>"**,**"<APP\_PROFILE\_NAME>"**, **"<REGISTRATION\_KEY>"**);