Viper Integration Guideline

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

```xml
<uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
```

2. 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
<?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**

```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>
```

3. 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"
            }
        }
    }
}
```

4. 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
}
```

5. 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
    }
}
```

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

```
ViperClient.on(<Context>, "<PACKAGE_NAME>","<APP_PROFILE_NAME>", "<REGISTRATION_KEY>");
```