E/AndroidRuntime: FATAL EXCEPTION: main

Process: com.example.ranshara.myapplication2.demo.debugStaging, PID: 30748

java.lang.SecurityException: Client must have ACCESS\_FINE\_LOCATION permission to request PRIORITY\_HIGH\_ACCURACY locations

Solution: <https://stackoverflow.com/questions/38508352/client-must-have-access-fine-location-permission-to-request-priority-high-accura>

<https://stackoverflow.com/questions/33063712/security-exception-only-on-android-6>

app Starts> functionality that needs permission>

* Check SDK Version(>=23) >check if app has needed permission> show Request Rationale> Display why we need Permission > Request Permission > Handle Permission request >Disable Functionality
* Else sdk<23 /User already garnted Permission –Call Method- Handle Permission Request –Disable Request

Location of google playservices :gms

D:\SDK..\extras\google\m2repository\com\google\android\gms\play-services\ur\_version

Android Runtime in M

<https://inthecheesefactory.com/blog/things-you-need-to-know-about-android-m-permission-developer-edition/en>

<https://blog.xamarin.com/requesting-runtime-permissions-in-android-marshmallow/>

Send location from Emulator Setting

Process: com.example.ranshara.myapplication2.demo.debugStaging, PID: 4933

java.lang.RuntimeException: Unable to get provider com.google.firebase.provider.FirebaseInitProvider: java.lang.ClassNotFoundException: Didn't find class "com.google.firebase.provider.FirebaseInitProvider" on path: DexPathList[[zip file "/data/app/com.example.ranshara.myapplication2.demo.debugStaging-1/base.apk"],nativeLibraryDirectories=[/data/app/com.example.ranshara.myapplication2.demo.debugStaging-1/lib/x86\_64, /vendor/lib64, /system/lib64]]

at android.app.ActivityThread.installProvider(ActivityThread.java:5156)

at android.app.ActivityThread.installContentProviders(ActivityThread.java:4748)

at android.app.ActivityThread.handleBindApplication(ActivityThread.java:4688)

at android.app.ActivityThread.-wrap1(ActivityThread.java)

at android.app.ActivityThread$H.handleMessage(ActivityThread.java:1405)

at android.os.Handler.dispatchMessage(Handler.java:102)

at android.os.Looper.loop(Looper.java:148)

at android.app.ActivityThread.main(ActivityThread.java:5417)

at java.lang.reflect.Method.invoke(Native Method)

at com.android.internal.os.ZygoteInit$MethodAndArgsCaller.run(ZygoteInit.java:726)

at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:616)

Caused by: java.lang.ClassNotFoundException: Didn't find class "com.google.firebase.provider.FirebaseInitProvider" on path: DexPathList[[zip file "/data/app/com.example.ranshara.myapplication2.demo.debugStaging-1/base.apk"],nativeLibraryDirectories=[/data/app/com.example.ranshara.myapplication2.demo.debugStaging-1/lib/x86\_64, /vendor/lib64, /system/lib64]]

at dalvik.system.BaseDexClassLoader.findClass(BaseDexClassLoader.java:56)

at java.lang.ClassLoader.loadClass(ClassLoader.java:511)

at java.lang.ClassLoader.loadClass(ClassLoader.java:469)

at android.app.ActivityThread.installProvider(ActivityThread.java:5141)

at android.app.ActivityThread.installContentProviders(ActivityThread.java:4748)

at android.app.ActivityThread.handleBindApplication(ActivityThread.java:4688)

at android.app.ActivityThread.-wrap1(ActivityThread.java)

at android.app.ActivityThread$H.handleMessage(ActivityThread.java:1405)

at android.os.Handler.dispatchMessage(Handler.java:102)

at android.os.Looper.loop(Looper.java:148)

at android.app.ActivityThread.main(ActivityThread.java:5417)

at java.lang.reflect.Method.invoke(Native Method)

at com.android.internal.os.ZygoteInit$MethodAndArgsCaller.run(ZygoteInit.java:726)

at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:616)

Suppressed: java.lang.ClassNotFoundException: Didn't find class "com.google.firebase.provider.FirebaseInitProvider" on path: DexPathList[[dex file "/data/data/com.example.ranshara.myapplication2.demo.debugStaging/files/instant-run/dex/slice-slice\_7-classes.dex"],nativeLibraryDirectories=[/data/app/com.example.ranshara.myapplication2.demo.debugStaging-1/lib/x86\_64, /vendor/lib64, /system/lib64]]

at dalvik.system.BaseDexClassLoader.findClass(BaseDexClassLoader.java:56)

at com.android.tools.fd.runtime.IncrementalClassLoader$DelegateClassLoader.findClass(IncrementalClassLoader.java:90)

at com.android.tools.fd.runtime.IncrementalClassLoader.findClass(IncrementalClassLoader.java:62)

at java.lang.ClassLoader.loadClass(ClassLoader.java:511)

at java.lang.ClassLoader.loadClass(ClassLoader.java:504)

... 12 more

Suppressed: java.lang.ClassNotFoundException: com.google.firebase.provider.FirebaseInitProvider

at java.lang.Class.classForName(Native Method)

at java.lang.BootClassLoader.findClass(ClassLoader.java:781)

at java.lang.BootClassLoader.loadClass(ClassLoader.java:841)

at java.lang.ClassLoader.loadClass(ClassLoader.java:504)

... 13 more

***Emulator Error***

Exception in thread "png-cruncher\_23" java.lang.RuntimeException: Timed out while waiting for slave aapt process, make sure the aapt execute at D:\SDK\build-tools\27.0.2\aapt.exe can run successfully (some anti-virus may block it) or try setting environment variable SLAVE\_AAPT\_TIMEOUT to a value bigger than 5 seconds

at com.android.builder.png.AaptProcess.waitForReady(AaptProcess.java:108)

at com.android.builder.png.QueuedCruncher$1.creation(QueuedCruncher.java:120)

at com.android.builder.tasks.WorkQueue.run(WorkQueue.java:203)

at java.lang.Thread.run(Thread.java:745)