

Triggered ANR

+11

Hotlists

Mark as Duplicate





Comments (2)

Dependencies

Duplicates (0)

Blocking (0)


Resources (0)

Infeasible


Bug

P3

+ Add Hotlist


 STATUS UPDATE No update yet.

Edit

 DESCRIPTION

ms...@vivino.com created issue #1

Mar 16, 2023 03:01AM



Component used: androidx.startup:startup-runtime

Version used: 1.1.1

Devices/Android versions reproduced on: 11 and 12

If this is a bug in the library, we would appreciate if you could attach:


- Sample project to trigger the issue.

- A screenrecord or screenshots showing the issue (if UI related).

Looking at Firebase Crashlytics I can see that some of my startup initialisers are triggering an ANR which on the surface seems a little off. For this issue we can focus on my database initialiser - which triggers this ANR report. Is there a problem using the startup-runtime for the database ?

```
main (native):tid=1 systid=14616
#00 pc 0x75f30 libc.so (syscall + 32) (BuildId: bbbdeb7c87c74f1491f92c6e605095b0)
#01 pc 0x3a9984 libart.so (art::ConditionVariable::WaitHoldingLocks(art::Thread*) + 140) (BuildId: 289d75599f6112d5757113220599e90b)
#02 pc 0x65aca8 libart.so (art::JNI<false>::ReleaseStringCritical(_JNIEnv*, _jstring*, unsigned short const*) + 1392) (BuildId: 289d75599f6112d5757113220599e90b)
#03 pc 0x116aa4 libandroid_runtime.so (android::nativePrepareStatement(_JNIEnv*, _jclass*, long, _jstring*) + 152) (BuildId: f5282a9c8dd6d2535a490ff65f1319c8)
    at android.database.sqlite.SQLiteConnection.nativePrepareStatement(SQLiteConnection.java)
    at android.database.sqlite.SQLiteConnection.acquirePreparedStatement(SQLiteConnection.java:1053)
    at android.database.sqlite.SQLiteConnection.executeForString(SQLiteConnection.java:796)
    at android.database.sqlite.SQLiteConnection.setJournalMode(SQLiteConnection.java:413)
    at android.database.sqlite.SQLiteConnection.setWalModeFromConfiguration(SQLiteConnection.java:343)
    at android.database.sqlite.SQLiteConnection.open(SQLiteConnection.java:266)
    at android.database.sqlite.SQLiteConnection.open(SQLiteConnection.java:211)
    at android.database.sqlite.SQLiteConnectionPool.openConnectionLocked(SQLiteConnectionPool.java:505)
    at android.database.sqlite.SQLiteConnectionPool.tryAcquireNonPrimaryConnectionLocked(SQLiteConnectionPool.java:989)
    at android.database.sqlite.SQLiteConnectionPool.waitForConnection(SQLiteConnectionPool.java:695)
    at android.database.sqlite.SQLiteConnectionPool.acquireConnection(SQLiteConnectionPool.java:380)
    at android.database.sqlite.SQLiteSession.acquireConnection(SQLiteSession.java:896)
    at android.database.sqlite.SQLiteSession.executeForChangedRowCount(SQLiteSession.java:754)
    at android.database.sqlite.SQLiteStatement.executeUpdateDelete(SQLiteStatement.java:67)
    at android.database.sqlite.SQLiteDatabase.executeSql(SQLiteDatabase.java:1921)
    at android.database.sqlite.SQLiteDatabase.execSQL(SQLiteDatabase.java:1842)
    at org.greenrobot.greendao.database.StandardDatabase.execSQL(StandardDatabase.java:37)
    at com.vivino.databasemanager.GreenDaoMaster.createExternalContentTable(GreenDaoMaster.java:197)
    at com.vivino.databasemanager.GreenDaoMaster.createExternalContentTables(GreenDaoMaster.java:225)
    at com.vivino.databasemanager.GreenDaoMaster.createExternalContentTables(GreenDaoMaster.java:212)
    at com.vivino.databasemanager.GreenDaoMaster.initDaoDatabase(GreenDaoMaster.java:438)
    at com.vivino.di.DatabaseModule.provideDatabase(DatabaseModule.java:23)
    at com.vivino.di.DatabaseModule_ProvideDatabaseFactory.provideDatabase(DatabaseModule_ProvideDatabaseFactory.java:46)
    at
com.vivino.DaggerMyApplication_HiltComponents_SingletonC$SingletonClmpl$SwitchingProvider.get(DaggerMyApplication_HiltComponents_SingletonC.java:2423)
    at dagger.internal.DoubleCheck.get(DoubleCheck.java:47)
    at
com.vivino.DaggerMyApplication_HiltComponents_SingletonC$SingletonClmpl.getDatabase(DaggerMyApplication_HiltComponents_SingletonC.java:2316)
    at com.vivino.startup.DatabaseInitializer.create(DatabaseInitializer.kt:20)
    at com.vivino.startup.DatabaseInitializer.create(DatabaseInitializer.kt:15)
    at androidx.startup.AppInitializer.doInitialize(AppInitializer.java:180)
    at androidx.startup.AppInitializer.discoverAndInitialize(AppInitializer.java:238)
    at androidx.startup.AppInitializer.discoverAndInitialize(AppInitializer.java:206)
    at androidx.startup.InitializationProvider.onCreate(InitializationProvider.java:45)
    at android.content.ContentProvider.attachInfo(ContentProvider.java:2413)
    at android.content.ContentProvider.attachInfo(ContentProvider.java:2383)
    at android.app.ActivityThread.installProvider(ActivityThread.java:7771)
    at android.app.ActivityThread.installContentProviders(ActivityThread.java:7288)
    at android.app.ActivityThread.handleBindApplication(ActivityThread.java:7028)
    at android.app.ActivityThread.access$1800(ActivityThread.java:254)
    at android.app.ActivityThread$H.handleMessage(ActivityThread.java:2184)
    at android.os.Handler.dispatchMessage(Handler.java:106)
    at android.os.Looper.loopOnce(Looper.java:233)
    at android.os.Looper.loop(Looper.java:344)
    at android.app.ActivityThread.main(ActivityThread.java:8212)
```

Reporter

 ms...@vivino.com

Type Bug

Priority P3

Severity S2

Status


Won't fix (Infeasible)

Access Default access

View


Expanded Access?

Assignee


 ra...@google.com

Verifier --

Collaborators

 ^

CC

 ms...@vivino.com ^

AOSP ID --


Estimate --

Found In --

Targeted To --

Verified In --

In Prod



Show 1 additional field



```
at java.lang.reflect.Method.invoke(Method.java)
at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:584)
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1034)
```

COMMENTS

All comments ▼

↓ Oldest first



ra...@google.com <ra...@google.com> [#2](#)

Mar 16, 2023 04:17AM ⋮

Status: Won't Fix (Infeasible)

The ANR is happening because of your `DatabaseInitializer`.

Note:

```
at com.vivino.startup.DatabaseInitializer.create(DatabaseInitializer.kt:20)
```

Also, it appears that you are mixing startup and Dagger, which is a bit tricky to get right. I would argue that you should just use Dagger throughout.