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183285087

AS 4.2 hangs on second attempted install to AVD

+11

Hotlists (4)

Mark as Duplicate

Comments (5)

Dependencies

Duplicates (1)

Blocking (0)

Resources (1)

Fixed

Bug

P2

+ Add Hotlist

Reviewed (L1)

STATUS UPDATE

No update yet.

Edit

DESCRIPTION

dr...@gmail.com created issue [#1](#)

Build: AI-202.7660.26.42.7188722, 202103060230,
AI-202.7660.26.42.7188722, JRE 11.0.8+10-b944.6916264x64 JetBrains s.r.o, OS Mac OS X(x86_64) v10.16, screens 1680x1050; Retina
AS: 4.2 Beta 6; Kotlin plugin: 202-1.4.31-release-AS8194.7; Android Gradle Plugin: 4.1.3; Gradle: 6.8.2; NDK: from local.properties: (not specified), latest from SDK: (not found); LLDB: pinned revisi
Emulator 30.6.0, Android SDK tools 26.1.1, Android SDK build tools 30.0.3
Host CPU: 2.9 GHz 6-Core Intel Core i9
Device name: pixel_3 (but happens with other AVDs – various Nexus and Pixel models)
This reproduces for me almost every time, but I'm not sure it's easy to reproduce on another machine.

1. Launch and compile project in AS 4.2 beta.
2. Select any emulator in the dropdown.
3. Press "play" button to run the app on the selected emulator. App runs successfully.
4. Make a change in the project code.
5. Press "play" button again (actually now it's a curly arrow icon).

Expected: App installs and runs with changes. Actual: AS runs the "Install" task forever.
Once this happens, the only way out of it is to quit the emulator, which then fails the install task, and then press play again, launching the emulator again.
This doesn't happen on AS 4.1.2. This happens whether the emulator is in the AS window or in its own window.

✓ Links (1)

Links (1)

"<http://com.android.commands.am.Am>"

COMMENTS

da...@google.com

<da...@google.com>

Assigned to an...@google.com.

ac...@google.com

<ac...@google.com>

[#2](#)

Thanks for the report. We haven't notice anything like with 4.2 so far.

Would you be able to a few things for us?

1) When this happens, can you grab both the idea.log and the device's logcat then upload it here if you can?
2) Can you describe what type of change were you making that typically cause this?
3) Does that happen on API 29 and below devices?

dr...@gmail.com

<dr...@gmail.com>

[#3](#)

1. The logcat is below, from before I tried the reinstall to awhile after it started hanging, on an API 24 Nexus 5X emulator. com.backbase.deferredresources.demo is the application ID I
2. Seems to be any code change. Making no change does not cause the issue, and making a nothing-change like adding a space to a source file does not cause the issue. But changing a
3. It happens on API 24+. Just now I reproduced on emulators running API S (Pixel 4XL), 30 (Pixel 3XL), 29 (Pixel 3), 26 (Pixel XL), and 24 (Nexus 5X). But on 23 (Nexus 6), 21 (Nexus 5), ar

Logcat:

```
2021-03-30 14:28:56.254 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:56.261 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:56.262 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:56.264 11064-11064/? I/Finsky: [1] com.google.android.finsky.services.DailyHygiene.a(17227): Beginning daily hygiene, foreground = false
2021-03-30 14:28:56.270 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:56.270 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.b(1150): No account configured on this device.
2021-03-30 14:28:56.301 11064-11105/? W/Finsky: [595] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:56.302 11064-11105/? I/Finsky: [595] com.google.android.finsky.c.e.run(1151): Replicating app states via AMAS.
2021-03-30 14:28:56.343 15529-15529/? W/art: Unexpected CPU variant for X86 using defaults: x86
```

----- beginning of system
2021-03-30 14:28:56.348 1629-1986/? I/ActivityManager: Start proc 15529:com.google.android.gms:car/u0a13 for service com.google.android.gms/.car.CarService
2021-03-30 14:28:56.424 15529-15529/? W/System: ClassLoader referenced unknown path: /system/priv-app/PrebuiltGmsCore/lib/x86
2021-03-30 14:28:56.470 15529-15529/? I/LoadedApk: No resource references to update in package FFFFFFFFFFFFFFFFFFFFFFFF
2021-03-30 14:28:56.525 11064-11105/? I/Finsky: [595] com.google.android.finsky.c.c.a(311): Completed 0 account content syncs with 0 successful.
2021-03-30 14:28:56.526 11064-11064/? I/Finsky: [1] com.google.android.finsky.services.j.a(149): Installation state replication succeeded.
2021-03-30 14:28:56.536 15529-15529/? W/System: ClassLoader referenced unknown path: /system/priv-app/PrebuiltGmsCore/lib/x86
2021-03-30 14:28:56.536 15529-15529/? W/System: ClassLoader referenced unknown path: /system/priv-app/PrebuiltGmsCore/lib/x86
2021-03-30 14:28:56.539 15529-15529/? W/System: ClassLoader referenced unknown path: /system/priv-app/PrebuiltGmsCore/lib/x86
2021-03-30 14:28:56.539 15529-15529/? W/System: ClassLoader referenced unknown path: /system/priv-app/PrebuiltGmsCore/lib/x86
2021-03-30 14:28:56.541 15529-15529/? W/linker: /data/user_de/0/com.google.android.gms/app_extracted_libs/x86/libconscrypt_gmscore_jni.so: unused DT entry
2021-03-30 14:28:56.542 15529-15529/? V/NativeCrypto: Registering com/google/android/gms/org/conscrypt/NativeCrypto's 276 native methods...
2021-03-30 14:28:56.557 15529-15529/? D/NetworkSecurityConfig: No Network Security Config specified, using platform default
2021-03-30 14:28:56.562 15529-15529/? I/ProviderInstaller: Installed default security provider GmsCore_OpenSSL
2021-03-30 14:28:56.747 15529-15539/? W/art: Suspending all threads took: 20.766ms
2021-03-30 14:28:56.821 2041-2844/? W/ConfigurationChimeraPro: Got null configs for com.google.android.gms.car
2021-03-30 14:28:56.957 15529-15540/? I/DynamiteModule: Considering local module com.google.android.gms.googlecertificates:4 and remote module com.google.
2021-03-30 14:28:56.958 15529-15540/? I/DynamiteModule: Selected local version of com.google.android.gms.googlecertificates
2021-03-30 14:28:57.160 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.162 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.164 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.166 1629-1854/? W/ActivityManager: Unable to start service Intent { act=local_action cmp=com.google.android.gms/.car.InCallService2 }
2021-03-30 14:28:57.167 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.167 15529-15529/? E/CAR.TEL.Service: Failed to bind to InCallService
2021-03-30 14:28:57.170 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.170 11064-11064/? I/Finsky: [1] com.google.android.finsky.wear.WearSupportService.a(161): disabled
2021-03-30 14:28:57.172 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.176 11064-11064/? I/Finsky: [1] com.google.android.finsky.services.DailyHygiene.d(590): Logging device features
2021-03-30 14:28:57.178 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.259 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.260 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.261 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.262 11064-11064/? I/Finsky: [1] com.google.android.finsky.selfupdate.SelfUpdateCheckerScheduler.a(57): Cancelling accelerated self-Upd
2021-03-30 14:28:57.267 11064-11064/? W/InstanceId/Rpc: Found 10013
2021-03-30 14:28:57.271 11064-11064/? W/Finsky: [1] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:28:57.282 11064-11064/? I/Finsky: [1] com.google.android.vending.verifier.VerifyInstalledPackagesReceiver.onReceive(42): Verify installed ap
2021-03-30 14:28:57.291 11064-15557/? I/Finsky: [604] com.google.android.vending.verifier.ac.a(103): Verifying installed packages
2021-03-30 14:28:57.381 11064-11064/? I/Finsky: [1] com.google.android.vending.verifier.ac.b(136): Done verifying installed packages
2021-03-30 14:29:02.137 15560-15560/? D/AndroidRuntime: >>>>> START com.android.internal.os.RuntimeInit uid 2000 <<<<<<
2021-03-30 14:29:02.140 15560-15560/? D/AndroidRuntime: CheckJNI is ON
2021-03-30 14:29:02.168 15560-15560/? W/art: Unexpected CPU variant for X86 using defaults: x86
2021-03-30 14:29:02.176 15560-15560/? D/ICU: No timezone override file found: /data/misc/zoneinfo/current/icu/icu_tzdata.dat
2021-03-30 14:29:02.210 15560-15560/? E/memtrack: Couldn't load memtrack module (No such file or directory)
2021-03-30 14:29:02.210 15560-15560/? E/android.os.Debug: failed to load memtrack module: -2
2021-03-30 14:29:02.212 15560-15560/? I/Radio-JNI: register_android_hardware_Radio DONE
2021-03-30 14:29:02.225 15560-15560/? D/AndroidRuntime: Calling main entry com.android.commands.am.Am
2021-03-30 14:29:02.236 1629-1725/? I/ActivityManager: Force stopping com.backbase.deferredresources.demo appid=10124 user=0: from pid 15560
2021-03-30 14:29:02.237 1629-1725/? I/ActivityManager: Killing 15437:com.backbase.deferredresources.demo/u0a124 (adj 0): stop com.backbase.deferredresourc
2021-03-30 14:29:02.238 1629-1725/? D/ActivityManager: cleanUpApplicationRecord -- 15437
2021-03-30 14:29:02.240 1629-1725/? W/ActivityManager: Force removing ActivityRecord{cfcla0a u0 com.backbase.deferredresources.demo/.DemoActivity t1200}:
2021-03-30 14:29:02.253 1629-1725/? I/WindowManager: Destroying surface Surface(name=com.backbase.deferredresources.demo/com.backbase.deferredresources.de
2021-03-30 14:29:02.260 1629-1649/? E/JavaBinder: !!! FAILED BINDER TRANSACTION !!! (parcel size = 60)
2021-03-30 14:29:02.275 15560-15560/? D/AndroidRuntime: Shutting down VM
2021-03-30 14:29:02.289 1826-1826/? D/CarrierSvcBindHelper: No carrier app for: 0
2021-03-30 14:29:02.290 1629-1960/? W/ActivityManager: Permission Denial: Accessing service ComponentInfo{com.google.android.music/com.google.android.musi
2021-03-30 14:29:02.301 1629-1725/? D/GraphicsStats: Buffer count: 8
2021-03-30 14:29:02.327 1629-1970/? W/ActivityManager: Unbind failed: could not find connection for android.os.BinderProxy@280b764
2021-03-30 14:29:02.333 15529-15529/? I/CAR.SERVICE: Skip, no clients bound.
2021-03-30 14:29:02.382 2091-2211/? D/EGL_emulation: eglMakeCurrent: 0xa0a05240: ver 2 0 (tinfo 0xa0a03610)
2021-03-30 14:29:02.645 15572-15572/? D/AndroidRuntime: >>>>> START com.android.internal.os.RuntimeInit uid 2000 <<<<<<
2021-03-30 14:29:02.648 15572-15572/? D/AndroidRuntime: CheckJNI is ON
2021-03-30 14:29:02.681 15572-15572/? W/art: Unexpected CPU variant for X86 using defaults: x86
2021-03-30 14:29:02.690 15572-15572/? D/ICU: No timezone override file found: /data/misc/zoneinfo/current/icu/icu_tzdata.dat
2021-03-30 14:29:02.715 15572-15572/? E/memtrack: Couldn't load memtrack module (No such file or directory)
2021-03-30 14:29:02.716 15572-15572/? E/android.os.Debug: failed to load memtrack module: -2
2021-03-30 14:29:02.716 15572-15572/? I/Radio-JNI: register_android_hardware_Radio DONE
2021-03-30 14:29:02.729 15572-15572/? D/AndroidRuntime: Calling main entry com.android.commands.wm.Wm
2021-03-30 14:29:02.738 15572-15572/? D/AndroidRuntime: Shutting down VM
2021-03-30 14:29:02.906 2091-2211/? W/OpenGLESRenderer: Incorrectly called buildLayer on View: ShortcutAndWidgetContainer, destroying layer...
2021-03-30 14:29:02.907 2091-2211/? W/OpenGLESRenderer: Incorrectly called buildLayer on View: ShortcutAndWidgetContainer, destroying layer...
2021-03-30 14:29:19.800 11064-11105/? W/Finsky: [595] com.google.android.finsky.FinskyApp.i(1468): No account configured on this device.
2021-03-30 14:29:19.801 11064-11105/? I/Finsky: [595] com.google.android.finsky.c.e.run(1151): Replicating app states via AMAS.
2021-03-30 14:29:19.987 11064-11105/? I/Finsky: [595] com.google.android.finsky.c.c.a(311): Completed 0 account content syncs with 0 successful.
2021-03-30 14:29:19.987 11064-11064/? I/Finsky: [1] com.google.android.finsky.services.j.a(149): Installation state replication succeeded.

Reassigned to sa...@google.com.

Ok, I tried to reproduce it.

I set a breakpoint in the beginning of AdbInstallerChannel's read() and write()

When that breakpoint hits, I make the emulator hang with "kill -STOP 66727" where 66727 is the PID of qemu.

What I saw was that select would timeout after 5 minutes (which is surprisingly long especially for cases of DUMP command). I am guessing 5 minutes is long enough for most use to start t

If user actually waits 5 minutes, the deployer will see no response from the command and it thinks it needs to push the binary installer to the device. That has a 50 minutes timeout. (AdbServ

I propose we do the following:

1. Make AdbInstallerChannel read/write a bit more clever: The select() call doesn't need a long timeout but instead, those two function needs to be smart enough that if it hasn't written/read
2. When the Installer channel concludes the device isn't responsive, it shouldn't attempt to an installer binary push.
3. We should probably rethink that 50 minutes default timeout. Or at least not use the default timeout when we do binary push.

sa...@google.com <sa...@google.com> [#5](#)

Thank you for your patience while our engineering team worked to resolve this issue. A fix for this issue is now available in:

- *Android Studio Chipmunk Canary 6 (2021.2.1.6)*
- *Android Gradle Plugin 7.2.0-alpha06*

We encourage you to try the latest update.

If you notice further issues or have questions, please file a new bug report.

Thank you for taking the time to submit feedback — we really appreciate it!

sp...@google.com <sp...@google.com>

Marked as fixed.