setting RLIM to infinity for process 20002

Unquickening 22 vdex files!

setConscrvptValidator - put

handleBindApplication()++

setConscryptValidator

Not late-enabling -Xcheck:jni (already on)

setHttpProxySystemPropertyInternal for uid 10309 The host

adb shell pm clear com.example.myapplication

10-01 13:04:02.354 I 20002

10-01 13:04:02.381 I 20002

10-01 13:04:02 459 I 20002

10-01 13:04:02.501 D 20002

10-01 13:04:02.501 D 20002

10-01 13:04:02.615 D 20002

app=com.example.myapplication 10-01 13:04:02.665 D 20002

value is null the port value is null

adb install -r -d app/build/outputs/apk/debug/app-debug.apk

Zygote

Proxy

e.myapplicatio

e.myapplicatio

ActivityThread

ActivityThread

ActivityThread

10-01 13:04:03.115 D 20002 LoadedApk LoadedApk::makeApplication() appContext=android.app.ContextImpl@9f8047b appContext.mOpPackageName=com.example.myapplication app Context. m Base Package Name=com. example. myapp lication app Context. m Package Info=and roid. app. Loaded Apk @2199298 app Context. m Package Info=and roid. app. Loaded Apk @2199298 app Context. m Package Info=and roid. app. Loaded Apk @2199298 app Context. m Package Info=and roid. app. Loaded Apk @2199298 app Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. app. Loaded Apk @2199298 app. Context. m Package Info=and roid. 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M Package Info=and roid.10-01 13:04:03.116 D 20002 NetworkSecurityConfig No Network Security Config specified, using platform default 10-01 13:04:03.167 D 20002 NetworkSecurityConfig No Network Security Config specified, using platform default 10-01 13:04:03.171 D 20002 ActivityThread handleBindApplication() -- skipGraphicsSupport=false 10-01 13:04:03.176 D 20002 [MyApplication]MyApplication onCreate pendingJobs size 0 10-01 13:04:03.183 D 20002 [MyApplication]MyApplication 10-01 13:04:03.190 D 20002 [MyApplication]MyApplicationReceiver onReceive: android intent action MY PACKAGE REPLACED 10-01 13:04:03.340 D 20002 WM-PackageManagerHelper androidx.work.impl.background.systemjob.SystemJobService enabled 10-01 13:04:03.341 D 20002 WM-Schedulers Created SystemJobScheduler and enabled SystemJobService 10-01 13:04:03.349 | 20002 TetheringManager register Tethering Event Callback: com. example. myapplication10-01 13:04:03.350 D 20002 ConnectivityManager ConnectivityManager() mContext = com. example. myapplication. MyApplication @91 deaf1 get0pPackageName() = com. example. myapplication was provided by the common of the commongetBasePackageName()=com.example.myapplication getPackageName()=com.example.myapplication Is default app process = true 10-01 13:04:03.402 D 20002 WM-ForceStopRunnable Performing cleanup operations. 10-01 13:04:03.405 D 20002 WM-ForceStopRunnable 10-01 13:04:03.540 D 20002 [MyApplication]MyApplication SystemIdInfo: [] 10-01 13:04:03.572 D 20002 WM-ForceStopRunnable Application was force-stopped, rescheduling. 10-01 13:04:03.600 D 20002 WM-PackageManagerHelper $and roid x. work. impl. background. systemal arm. Reschedule Receiver\ enabled$ 10-01 13:04:03.618 D 20002 WM-SystemJobScheduler Scheduling work ID ed2b4484-c4db-4e09-b871-6c4f78889b10 Job ID 2000 10-01 13:04:03.624 D 20002 WM-GreedyScheduler Ignoring WorkSpec (WorkSpec: ed2b4484-c4db-4e09b871-6c4f78889b10}, Requires ContentUri triggers. 10-01 13:04:03.639 D 20002 WM-PackageManagerHelper $and roid x. work. impl. background. systemal arm. Reschedule Receiver\ enabled$ 10-01 13:04:03.655 D 20002 WM-SystemJobScheduler Scheduling work ID 30c01c6b-51d5-4b7c-a4e6cd8d7539d187 Job ID 2001 WM-GreedyScheduler Ignoring WorkSpec {WorkSpec: ed2b4484-c4db-4e09-10-01 13:04:03.669 D 20002 b871-6c4f78889b10}, Requires ContentUri triggers. 10-01 13:04:03.670 D 20002 WM-GreedyScheduler Starting work for 30c01c6b-51d5-4b7c-a4e6cd8d7539d187 10-01 13:04:03.677 D 20002 WM-SystemJobService onStartJob for 30c01c6b-51d5-4b7c-a4e6cd8d7539d187 10-01 13:04:03.680 D 20002 Processor: processing 30c01c6b-51d5-4b7c-a4e6-WM-Processor cd8d7539d187 10-01 13:04:03.681 D 20002 WM-Processor Work 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 is already enqueued for processing 10-01 13:04:03.711 D 20002 WM-WorkerWrapper Starting work for com.example.myapplication.MyWorker 10-01 13:04:03.717 D 20002 [MyApplication]MyWorker doWork 10-01 13:04:03.719 D 20002 WM-WorkerWrapper com.example.myapplication.MyWorker returned a Success {mOutputData=Data {}} result. 10-01 13:04:03.722 I 20002 WM-WorkerWrapper Worker result SUCCESS for Work [id=30c01c6b-51d5-4b7c-a4e6-cd8d7539d187, tags={ com.example.myapplication.MyWorker }] 10-01 13:04:03.727 D 20002 Processor 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 WM-Processor executed: reschedule = false 10-01 13:04:03.728 D 20002 WM-SystemJobService 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 executed on JobScheduler 10-01 13:04:03.740 D 20002 WM-GreedyScheduler Cancelling work ID 30c01c6b-51d5-4b7c-a4e6cd8d7539d187 10-01 13:04:03 748 D 20002 WM-GreedyScheduler Ignoring WorkSpec {WorkSpec: ed2b4484-c4db-4e09b871-6c4f78889b10}, Requires ContentUri triggers. 10-01 13:04:03.752 D 20002 WM-Processor Processor stopping background work 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 10-01 13:04:03.752 D 20002 WM-Processor WorkerWrapper could not be found for 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 10-01 13:04:03.753 D 20002 WM-StopWorkRunnable StopWorkRunnable for 30c01c6b-51d5-4b7c-a4e6cd8d7539d187: Processor.stopWork = false

adb shell kill 20002 Turn ON or OFF location

10-01 13:05:21.365 D 20651

default

10-01 13:05:20.986 I 20651 Zygote setting RLIM to infinity for process 20651 10-01 13:05:21.011 | 20651 e.myapplicatio Not late-enabling -Xcheck:jni (already on) 10-01 13:05:21.091 I 20651 e.myapplicatio Unquickening 22 vdex files! 10-01 13:05:21.172 D 20651 ActivityThread setConscrvptValidator 10-01 13:05:21.172 D 20651 ActivityThread setConscryptValidator - put 10-01 13:05:21.200 D 20651 ActivityThread handleBindApplication()++ app=com.example.myapplication 10-01 13:05:21.221 D 20651 setHttpProxySystemPropertyInternal for uid 10309 The host Proxy value is null the port value is null 10-01 13:05:21.365 D 20651 LoadedApk LoadedApk::makeApplication() appContext=android.app.ContextImpl@9f8047b appContext.mOpPackageName=com.example.myapplication

 $app Context. mBase Package Name=com. example. my application\ app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app Context. mPackage Info=and roid. app. Loaded Apk @ 2199298 app. Loaded$

No Network Security Config specified, using platform

NetworkSecurityConfig

10-01 13:05:21.384 D 20651 NetworkSecurityConfig No Network Security Config specified, using platform default 10-01 13:05:21.387 D 20651 ActivityThread handleBindApplication() -- skipGraphicsSupport=false 10-01 13:05:21.390 D 20651 [MyApplication]MyApplication onCreate 10-01 13:05:21.399 D 20651 [MyApplication]MyApplication pendingJobs size 1 10-01 13:05:21.399 D 20651 [MyApplication]MyApplication joblnfo 2000 workSpecId: ed2b4484-c4db-4e09b871-6c4f78889b10 10-01 13:05:21.441 D 20651 WM-PackageManagerHelper androidx.work.impl.background.systemjob.SystemJobService enabled 10-01 13:05:21.441 D 20651 WM-Schedulers Created SystemJobScheduler and enabled SystemJobService 10-01 13:05:21.445 I 20651 TetheringManager register Tethering Event Callback: com. example. myapplication10-01 13:05:21.445 D 20651 ConnectivityManager ConnectivityManager() mContext = com. example. myapplication. MyApplication @91 deaf1 get0pPackageName() = com. example. myapplication was provided by the common of the commongetBasePackageName()=com.example.myapplication getPackageName()=com.example.myapplication WM-ForceStopRunnable 10-01 13:05:21.449 D 20651 Is default app process = true 10-01 13:05:21.449 D 20651 WM-ForceStopRunnable Performing cleanup operations. 10-01 13:05:21.461 D 20651 onStartJob for ed2b4484-c4db-4e09-b871-WM-SystemJobService 6c4f78889b10 10-01 13:05:21.495 D 20651 [MyApplication]MyApplication SystemIdInfo: [30c01c6b-51d5-4b7c-a4e6cd8d7539d187, ed2b4484-c4db-4e09-b871-6c4f78889b10] 10-01 13:05:21.500 D 20651 WM-SystemJobScheduler Reconciling jobs WM-ForceStopRunnable 10-01 13:05:21.531 D 20651 Found unfinished work, scheduling it. 10-01 13:05:21.563 D 20651 WM-SystemJobScheduler Scheduling work ID ed2b4484-c4db-4e09-b871-6c4f78889b10 Job ID 2000 10-01 13:05:21.568 D 20651 WM-SystemJobService onStopJob for ed2b4484-c4db-4e09-b871-6c4f78889b10 10-01 13:05:21.570 D 20651 WM-GreedyScheduler Ignoring WorkSpec {WorkSpec: ed2b4484-c4db-4e09b871-6c4f78889b10}, Requires ContentUri triggers. 10-01 13:05:21.583 D 20651 WM-Processor Processor: processing ed2b4484-c4db-4e09-b871-6c4f78889b10 10-01 13:05:21.610 D 20651 WM-Processor Processor stopping background work ed2b4484-c4db-4e09-b871-6c4f78889b10 WM-WorkerWrapper 10-01 13:05:21.611 D 20651 Work interrupted for null 10-01 13:05:21.625 D 20651 WM-WorkerWrapper WorkSpec null is already done. Not interrupting. WorkerWrapper interrupted for ed2b4484-c4db-4e09-10-01 13:05:21 635 D 20651 WM-Processor b871-6c4f78889b10 10-01 13:05:21.636 D 20651 WM-Processor Processor ed2b4484-c4db-4e09-b871-6c4f78889b10 executed: reschedule = true StopWorkRunnable for ed2b4484-c4db-4e09-b871-10-01 13:05:21.637 D 20651 WM-StopWorkRunnable 6c4f78889b10: Processor.stopWork = true

10-01 13:05:21.647 D 20651 WM-WorkerWrapper Work interrupted for Work [id=ed2b4484-c4db-4e09-

b871-6c4f78889b10, tags={com.example.myapplication.LocationAgreementWorker}]

ra...@google.com <ra...@google.com><u>#5</u>

Oct 14, 2021 05:00AM

Status: Won't Fix (Intended Behavior)

You are testing on API 23, from what I can tell. We double schedule jobs to work-around a bug. Both jobs however refer to the same work spec.

When you kill the application after the Worker ran (and completed with Success()), you might have done it while we were persisting the state of work request to the datastore. When that happens the Worker is still in a RUNNING state, because you killed the app before it could be marked with SUCCESS. This is also when we remove the second job from JobScheduler (which as you can tell we did not get a chance to do).

The next time Application.onCreate() happens JobScheduler calls onStopJob, which is a signal to WorkManager that it wants to stop executing the job. That is why your Worker is being interrupted. However, WorkManager will still reschedule your work. None of this is unexpected. The Worker started, before you terminated it with a kill. When you kill - ActivityManager might additionally deny binds to your JobService if you do so frequently.

ma...@gmail.com <ma...@gmail.com>#6

Oct 14, 2021 11:59AM

I'm testing on API 30.

 $I\ can \ understand\ that\ killing\ the\ application\ might\ happen\ when\ "we\ were\ persisting\ the\ state\ of\ work\ request\ to\ the\ data store".$

However in the WorkSpec database, 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 is marked as SUCCEEDED. Furthermore when this issue happens, this work is also in SystemIdInfo database. However when this issue doesn't happen this work is still marked as SUCCEEDED but it's not in SystemIdInfo.

######### WorkManager database ###########

WorkSpec database:

id state work_class_name

 $ed2b4484\text{-}c4db\text{-}4e09\text{-}b871\text{-}6c4f78889b10} \quad 0 \\ \underbrace{(\text{ENQUEUED})} \quad \text{com.example.myapplication.LocationAgreementWorker} \\ \\ \underbrace{(\text{ENQUEUED})} \quad \text{com.example.myapplicationAgreementWorker} \\ \\ \underbrace{(\text{ENQ$

30c01c6b-51d5-4b7c-a4e6-cd8d7539d187 2(SUCCEEDED) com.example.myapplication.MyWorker

SystemIdInfo

As you know reconciling jobs procedure compares the pending jobs of JobScheduler to WorkManager-SystemIdInfo database. JobScheduler contains only ed2b4484-c4db-4e09-b871-6c4f78889b10 whereas when this issue happens SystemIdInfo contains two

 $workers.\ For\ that\ reason\ I\ though\ that\ 30c01c6b-51d5-4b7c-a4e6-cd8d7539d187\ shouldn't\ be\ in\ SystemIdInfo.$

You are saying that "None of this is unexpected" but

- this issue didn't occur before 2.5.0.
- in these conditions URI worker is not executed
- WorkManager is built on top of JobScheduler but Worker-URI and JobService-URI have different behavior

If you think that it's normal operation we will have to switch our Work-URI to JobService-URI

Best regards, Marc