

IssueTracker

Search IssueTracker

Android Public Tracker > CTS 196100683

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☆

[Android 11]android.media.cts.MediaCodecCapabilitiesTest#testGetMaxSupportedInstances

+1 2

Hotlists (4)

Mark as Duplicate

🔔

⋮

Comments (12)

Dependencies

Duplicates (0)

Blocking (0)

Resources (4)

Fixed

Bug

P3

+ Add Hotlist

[AOSP] assigned

NeedsInfo

👤 STATUS UPDATE

No update yet.

Edit

📄 DESCRIPTION

xi...@nxp.com created issue #1

Aug 11, 2021 02:35PM

⋮

Android Compatibility Test Suite 11\_r4

command: run cts-dev --skip-preconditions --skip-device-info --skip-system-status-check com.android.compatibility.common.tradefed.targetprep.NetworkConnectivityChecker -m CtsMediaTestCases -t android.media.cts.MediaCodecCapabilitiesTest#testGetMaxSupportedInstances

result: 08-10 03:09:53.835 4385 4409 E TestRunner: failed: testGetMaxSupportedInstances(android.media.cts.MediaCodecCapabilitiesTest) 08-10 03:09:53.835 4385 4409 E TestRunner: ----- begin exception ----- 08-10 03:09:53.850 4385 4409 E TestRunner: junit.framework.AssertionFailedError: Got unexpected IOException Failed to find matching codec c2.imx.mp3.decoder.hw, error 0x80000000 08-10 03:09:53.850 4385 4409 E TestRunner: at junit.framework.Assert.fail(Assert.java:50) 08-10 03:09:53.850 4385 4409 E TestRunner: at android.media.cts.MediaCodecCapabilitiesTest.getActualMax(MediaCodecCapabilitiesTest.java:725) 08-10 03:09:53.850 4385 4409 E TestRunner: at android.media.cts.MediaCodecCapabilitiesTest.testGetMaxSupportedInstances(MediaCodecCapabilitiesTest.java:813)

analysis: codec "c2.imx.mp3.decoder.hw" is a hardware audio decoder extended by vendor. Its max concurrent-instances is 2 due to hardware limitation. <Limit name="concurrent-instances" max="2" /> When run this CTS case and cts try to allocate 3rd instance, Codec2Client::CreateComponentByName will failed, then android\_media\_MediaCodec\_native\_setup throw exception because "new JMediaCodec()" return error UNKNOWN\_ERROR, then this case is failed.

my confusion and suggestion In our code, if CreateComponent is failed, it returns error NO\_MEMORY, but in CCodec::allocate, it always return UNKNOWN\_ERROR when CreateComponent failed. As in frameworks/base/media/jni/android\_media\_MediaCodec.cpp, the action of android\_media\_MediaCodec\_native\_setup is based on this return value, if error is NO\_MEMORY, it can handle it in a proper way and this case can pass. My question is that as android\_media\_MediaCodec\_native\_setup depends on the error value, it is not proper for CCodec always return UNKNOWN\_ERROR when CreateComponent failed, it should return the actual error value which component returns.

✓ Links (4)

Hide all

"For steps to capture a bug report, please refer: https://developer.android.com/studio/debug/bug-report#bugreportdevice" vi...@ #2

"CTS result and log are shared in link: https://drive.google.com/drive/folders/1\_hTwV\_cAHnzP85ms6K6NjR5wmkDioQKw?usp=sharing" xi...@ #6

"http://INHERIT.GLOBAL.EU" gc...@ #8

"...evice build may be missing this CL: https://android.googlesource.com/platform/frameworks/av/+/-/b8fe079a0d5d663e81fce4ba8c5768e6b566c2f1" vi...@ #10

COMMENTS

All comments ⌵

↓ Oldest first

vi...@google.com

<vi...@google.com> #2

Aug 12, 2021 03:42PM

⋮

Assigned to vi...@google.com.

Thank you for reporting this issue. For us to further investigate this issue, please provide the following additional information:

Android build

Which Android build are you using? (e.g. PPP5.180610.010)

Device used -- Device Make, Model, Android OS Version

Which device did you use to reproduce this issue?

Android bug report (to be captured after reproducing the issue)

For steps to capture a bug report, please refer: https://developer.android.com/studio/debug/bug-report#bugreportdevice

Please attach CTS test failure report for reference.

Capture the issue in a screenshot

Press the volume down and power buttons simultaneously. The image will appear in the picture gallery. Attach the screenshot image to this issue.

Note: Please avoid uploading directly to the issue using attachments. Please upload to google drive and share the folder to android-bugreport@google.com, then share the link here.

vi...@google.com

<vi...@google.com> #3

Aug 18, 2021 02:44PM

⋮

Please share the details requested in comment#2 to proceed further.

xi...@nxp.com

<xi...@nxp.com> #4

Aug 18, 2021 03:06PM

⋮

Android build: ro.system.build.fingerprint=Android/evk\_8mm/evk\_8mm:11/RQ3A.210805.001.A1/18:userdebug/dev-keys Device used: i.MX8M Mini

vi...@google.com

<vi...@google.com> #5

Aug 19, 2021 10:05PM

⋮

Reporter

xi...@nxp.com

Type

Bug

Priority

P3

Severity

S3

Status

Fixed

Access

Default

Assignee

vi...@google.com

Verifier

--

Collaborators

👤 --

CC

vi...@google.com  
xi...@nxp.com

AOSP ID

--

API name

--

APK Name

--

App Name

--

App ver.

--

CTS / CDD specifics

--

Device name, model and build #

--

OEM name

--

ReportedBy

Develop

Found In

--

Targeted To

--

Verified In

--

In Prod

Thanks for the above information, please share the other requested details to proceed further.

**xi...@nxp.com** <xi...@nxp.com> [#6](#)

Aug 20, 2021 10:25AM ⋮

CTS result and log are shared in link: [https://drive.google.com/drive/folders/1\\_hTwV\\_cAHnzP85ms6K6NjR5wmkDioQKw?usp=sharing](https://drive.google.com/drive/folders/1_hTwV_cAHnzP85ms6K6NjR5wmkDioQKw?usp=sharing)

**vi...@google.com** <vi...@google.com> [#7](#)

Aug 20, 2021 04:10PM ⋮

We've shared this with our product and engineering teams and will continue to provide updates as more information becomes available.

**gc...@gmail.com** <gc...@gmail.com> [#8](#)

Sep 24, 2021 02:06AM ⋮

\$git go fetch diff,\$sync with \_-!-important. revert all assess access is now 100% AOSP. (-\$#RESTORE.ALL  
BENIFITS TO FOCUSE HOST. #IAMGEOEGERALPHCLAPPS(INHERIT)  
-!-IAMNOTDOA... I AM A LIVE PLEASE [INHERIT.GLOBAL.EU](#)  
UN.EN.US.DEPLOY.- CALL

**gc...@gmail.com** <gc...@gmail.com> [#9](#)

Sep 24, 2021 02:08AM ⋮

iama a live my git was hyjacked

**vi...@google.com** <vi...@google.com> [#10](#)

Feb 22, 2022 05:51PM ⋮

Your device build may be missing this CL: <https://android.googlesource.com/platform/frameworks/av/+b8fe079a0d5d663e81fce4ba8c5768e6b566c2f1>

If that is the case, you have a couple of options to try:

1. Cherry-pick the CL locally to your build.
2. Upgrade to Android 12 which contains this CL.

**xi...@nxp.com** <xi...@nxp.com> [#11](#)

Feb 22, 2022 06:04PM ⋮

Thanks very much. This CL is included in my local build and the issue is fixed.

**vi...@google.com** <vi...@google.com> [#12](#)

Feb 23, 2022 03:29PM ⋮

*Marked as fixed.*

Closing the bug with reference to above comment, thanks for the update.