

Figure - Bug #115817

测试 Test-ST # 113421 (New): V4.0功能与专项测试

测试 Test-ST # 113422 (New): V4.0专项--AF专项--monkey测试

【AF】【EVT2】【Monkey】Monkey测试6小时，出现CRASH: com.android.music

2023-02-03 09:54 - CD Test赵飞

Status:	CLOSED	Start date:	2023-02-03
Priority:	Normal	Due date:	2023-02-15
Assignee:	CD Test赵飞	% Done:	100%
Category:	CD-APP	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.R.user.01.00.0071.X
Need_Info:	--	Degrated:	--
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Frequently	Root cause:	原因是Music应用每次播放会创建一个mediasession
Test Type:	Monkey Test		
Description			
【执行命令】			
adb shell monkey --pkg-blacklist-file /sdcard/blacklist.txt --ignore-crashes --ignore-timeouts --ignore-security-exceptions --monitor-native-crashes --ignore-native-crashes -s 20 --throttle 500 --pct-touch 30 --pct-motion 15 --pct-nav 15 --pct-majornav 15 --pct-syskeys 5 --pct-appswitch 10 --pct-anyevent 10 --ignore-crashes -v -v -v 43200 2>/sdcard/error.txt 1>/sdcard/info.txt			
【错误信息】			
// CRASH: com.android.music (pid 9222) // Short Msg: java.lang.NullPointerException // Long Msg: java.lang.NullPointerException: Attempt to invoke interface method 'android.media.session.ISessionController android.media.session.ISession.getController()' on a null object reference // Build Label: TC/figure_CN/figure:12/SKQ1.220201.001/1933:user/test-keys // Build Changelist: 1933 // Build Time: 1675275913000 // java.lang.RuntimeException: Unable to start service com.android.music.MediaPlaybackService@c203046 with Intent { cmp=com.android.music/.MediaPlaybackService }: java.lang.NullPointerException: Attempt to invoke interface method 'android.media.session.ISessionController android.media.session.ISession.getController()' on a null object reference // at android.app.ActivityThread.handleServiceArgs(ActivityThread.java:4658) // at android.app.ActivityThread.access\$2000(ActivityThread.java:248) // at android.app.ActivityThread\$H.handleMessage(ActivityThread.java:2092) // at android.os.Handler.dispatchMessage(Handler.java:106) // at android.os.Looper.loopOnce(Looper.java:201) // at android.os.Looper.loop(Looper.java:288) // at android.app.ActivityThread.main(ActivityThread.java:7880) // at java.lang.reflect.Method.invoke(Native Method) // at com.android.internal.os.RuntimeInit\$MethodAndArgsCaller.run(RuntimeInit.java:548) // at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1009) // Caused by: java.lang.NullPointerException: Attempt to invoke interface method 'android.media.session.ISessionController android.media.session.ISession.getController()' on a null object reference // at android.media.session.MediaSession.<init>(MediaSession.java:207) // at android.media.session.MediaSession.<init>(MediaSession.java:163) // at com.android.music.MediaPlaybackService.updateNotificationMediaStyle(MediaPlaybackService.java:1987)			

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// at com.android.music.MediaPlaybackService.updateNotification(MediaPlaybackService.java:1817)
// at com.android.music.MediaPlaybackService.onStartCommand(MediaPlaybackService.java:1023)
// at android.app.ActivityThread.handleServiceArgs(ActivityThread.java:4640)
// ... 9 more
//
```

History

#1 - 2023-02-03 09:59 - CD APP-王营

- Due date set to 2023-02-04
- Status changed from New to ASSIGNED

#2 - 2023-02-03 10:18 - CD Test赵飞

- Subject changed from 【AF】 【EVT2】 【Monkey】Monkey测试10小时，出现CRASH: com.android.music to 【AF】 【EVT2】 【Monkey】Monkey测试6小时，出现CRASH: com.android.music

#3 - 2023-02-06 15:45 - CD APP-王营

- Due date changed from 2023-02-04 to 2023-02-07
- Assignee changed from CD APP-王营 to CD BSP何伟

■ Current conclusion

分析中，转到MM同事进行分析

■ My analysis

从Log中分析可知MediaPlaybackService服务启动失败，向上分析原因在MediaSession.java:207出现了空指针异常，具体代码路径如下

http://192.168.87.66:8006/source/xref/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/LA.QSSI/LINUX/android/frameworks/base/media/java/android/media/session/MediaSession.java#207

mBinder创建失败。

■ Next action

请Media同事分析一下空指针产生的原因。

#4 - 2023-02-08 10:57 - CD BSP何伟

从日志中分析是创建的mediasession超过了上限100，可能存在没有及时释放的问题
MediaSessionService: java.lang.RuntimeException: Created too many sessions. count=100)
下一步需要分析session的使用逻辑

#5 - 2023-02-10 10:08 - CD TPM-王祥林

- Due date changed from 2023-02-07 to 2023-02-15
- Assignee changed from CD BSP何伟 to CD TPM-王祥林

#6 - 2023-02-10 11:12 - CD TPM-王祥林

- Status changed from ASSIGNED to NEED_INFO
- Assignee changed from CD TPM-王祥林 to CD Test赵飞

赵飞

目前修改了一版，编了VB。本地跑了12个小时没有复现。
<https://dev.thundercomm.com/gerrit/c/general/platform/packages/apps/SnapdragonMusic/+/180351>
用这个VB跑一下试试。
/Figure/VerifyBuild/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/20230208/202302081544-136

#7 - 2023-02-14 10:38 - CD Test赵飞
- Status changed from NEED_INFO to ASSIGNED
- Assignee changed from CD Test赵飞 to CD TPM-王祥林

如飞书沟通，VB版本执行约6H，没有复现此问题

#8 - 2023-02-14 18:35 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
180351	general/platform/packages/apps/SnapdragonMusic	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	wangxl0510@thundersoft.com
AF: SnapdragonMusic: Fix Music application crash in monkey test.Created too many sessions(count>100) over the max value,then create fail and return NULL.TC-RID: 1201-0301201IssueID: TS-R-BUG-115817Change-Id: I76ba3a7d655ac19d84b99df8d70b7de35f4e70b0			

#9 - 2023-02-14 18:37 - CD TPM-王祥林
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD TPM-王祥林 to CD Test赵飞
- Resolution changed from -- to FIXED
- Root cause set to 原因是Music应用每次播放会创建一个mediasession，跑Monkey的时候创建太多了，超过了系统限制的100个。导致无法创建后应用crash。
改法是用一个全局变量，在服务运行期间只创建一个。

#10 - 2023-02-15 10:29 - CD Test赵飞
- % Done changed from 0 to 70

2/14号release版本未复现此问题
Monkey问题，继续跟踪2个版本

#11 - 2023-02-16 11:16 - CD Test赵飞

2/15号DB版本未复现此问题
Monkey问题，继续跟踪1个版本

#12 - 2023-02-17 09:41 - CD Test赵飞
- Status changed from RESOLVED to VERIFIED

- % Done changed from 70 to 100

2/16 release版本未复现此问题
已跟踪3个版本未复现，关闭此问题

#13 - 2023-02-17 09:41 - CD Test赵飞
- Status changed from VERIFIED to CLOSED

Files			
Tlog.zip	23 MB	2023-02-03	CD Test赵飞