

Figure - Bug #113744

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60小时，出现CRASH：com.android.documentsui

2022-11-07 14:25 - CD Test赵飞

Status:	CLOSED	Start date:	2022-11-07
Priority:	Normal	Due date:	2022-12-15
Assignee:	CD Test赵飞	% Done:	100%
Category:	CD-APP	Estimated time:	0.00 hour
Target version:	VX1_MCE_FSE_V5.0_20221230	Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.0
Need_Info:	--	Degrated:	No
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	2022-12-08
Reproducibility:	Frequently	Root cause:	AOSP问题
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 200 --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 1080000 2>/sdcard/error.txt 1>/sdcard/info.txt
```

错误日志：

```
// CRASH: com.android.documentsui (pid 7408)
// Short Msg: java.lang.IllegalArgumentException
// Long Msg: java.lang.IllegalArgumentException: Tmp detached view should be removed from RecyclerView before it can be recycled:
BreadcrumbHolder{949c152 position=0 id=-1, oldPos=-1, pLpos:-1 update tmpDetached no parent}
com.android.documentsui.HorizontalBreadcrumb{b0d0b8e VFED.....ID 0,0-2380,72 #7f0900f8 app:id/horizontal_breadcrumb},
adapter:com.android.documentsui.HorizontalBreadcrumb$BreadcrumbAdapter@be75faf,
layout:com.android.documentsui.HorizontalBreadcrumb$HorizontalBreadcrumbLinearLayoutManager@1053fbc,
context:com.android.documentsui.files.FilesActivity@9890493
// Build Label: TC/figure_CN/figure:12/SKQ1.220201.001/1289:userdebug/test-keys
// Build Changelist: 1289
// Build Time: 1667495457000
// java.lang.IllegalArgumentException: Tmp detached view should be removed from RecyclerView before it can be recycled:
BreadcrumbHolder{949c152 position=0 id=-1, oldPos=-1, pLpos:-1 update tmpDetached no parent}
com.android.documentsui.HorizontalBreadcrumb{b0d0b8e VFED.....ID 0,0-2380,72 #7f0900f8 app:id/horizontal_breadcrumb},
adapter:com.android.documentsui.HorizontalBreadcrumb$BreadcrumbAdapter@be75faf,
layout:com.android.documentsui.HorizontalBreadcrumb$HorizontalBreadcrumbLinearLayoutManager@1053fbc,
context:com.android.documentsui.files.FilesActivity@9890493
// at androidx.recyclerview.widget.RecyclerView$Recycler.recycleViewHolderInternal(RecyclerView.java:6745)
// at androidx.recyclerview.widget.RecyclerView.removeAnimatingView(RecyclerView.java:1529)
// at androidx.recyclerview.widget.RecyclerView$ItemAnimatorRestoreListener.onAnimationFinished(RecyclerView.java:13234)
// at androidx.recyclerview.widget.RecyclerView$ItemAnimator.dispatchAnimationFinished(RecyclerView.java:13736)
// at androidx.recyclerview.widget.SimpleItemAnimator.dispatchChangeFinished(SimpleItemAnimator.java:317)
// at androidx.recyclerview.widget.DefaultItemAnimator$8.onAnimationEnd(DefaultItemAnimator.java:391)
// at android.view.ViewPropertyAnimator$AnimatorEventListener.onAnimationEnd(ViewPropertyAnimator.java:1112)
// at android.animation.Animator$AnimatorListener.onAnimationEnd(Animator.java:555)
```

```
// at android.animation.ValueAnimator.endAnimation(ValueAnimator.java:1250)
// at android.animation.ValueAnimator.doAnimationFrame(ValueAnimator.java:1492)
// at android.animation.AnimationHandler.doAnimationFrame(AnimationHandler.java:146)
// at android.animation.AnimationHandler.access$100(AnimationHandler.java:37)
// at android.animation.AnimationHandler$1.doFrame(AnimationHandler.java:54)
// at android.view.Choreographer$CallbackRecord.run(Choreographer.java:1118)
// at android.view.Choreographer.doCallbacks(Choreographer.java:926)
// at android.view.Choreographer.doFrame(Choreographer.java:854)
// at android.view.Choreographer$FrameDisplayEventReceiver.run(Choreographer.java:1105)
// at android.os.Handler.handleCallback(Handler.java:938)
// at android.os.Handler.dispatchMessage(Handler.java:99)
// at android.os.Looper.loopOnce(Looper.java:201)
// at android.os.Looper.loop(Looper.java:288)
// at android.app.ActivityThread.main(ActivityThread.java:7880)
// at java.lang.reflect.Method.invoke(Native Method)
// at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:548)
// at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1009)
//
```

【日志】

Tlog见Bug #113491 附件

History

#1 - 2022-11-07 17:01 - CD FW 曹覃刚

- Category changed from CD-FW to CD-APP

- Assignee changed from CD FW 曹覃刚 to CD APP- 王营

#2 - 2022-11-16 19:52 - CDTS-TEST 周婷

- Target version changed from VX1_MCE_FSE_V3.0_update_20221130 to VX1_MCE_FSE_V5.0_20221230

#3 - 2022-11-22 11:22 - CD APP-黄棚

■ Current conclusion

RecyclerView源码bug

■ My analysis

<https://github.com/androidx/androidx/pull/252/commits/8ad7bb4614c42cd679188c61baead1369ff1c490>

■ Next action

需等recyclerview官方release版本bug修复

#4 - 2022-11-27 18:57 - CD APP-王营

- Status changed from New to ASSIGNED

- Assignee changed from CD APP- 王营 to CD APP- 黄棚

- % Done changed from 0 to 10

#5 - 2022-12-05 17:39 - CD APP-王营

- Due date changed from 2022-11-14 to 2022-12-15

#6 - 2022-12-06 17:10 - CD APP-黄棚

- % Done changed from 10 to 50

■ Current conclusion

不从源码角度分析

■ My analysis

通过对比分析，发现是recyclerview item默认动画的问题，recyclerview 自带了默认的动画DefaultItemAnimator，最终在RecyclerView里面报了异常,移除item动画的时候最终会调用具体流程：

DefaultItemAnimator-->runPendingAnimations->animateRemoveImpl->dispatchRemoveFinished->dispatchAnimationFinished->onAnimationFinished->removeAnimatingView->recyclerViewHolderInternal

```
if (holder.isTmpDetached()) {
    throw new IllegalArgumentException("Tmp detached view should be removed "
        + "from RecyclerView before it can be recycled: " + holder
        + exceptionLabel());
}
```

■ Next action

不使用HorizontalBreadcrumb的item动画

#7 - 2022-12-07 10:52 - CD APP-黄棚

- Status changed from ASSIGNED to RESOLVED
- % Done changed from 50 to 100
- Resolution changed from -- to FIXED
- Degrated changed from -- to No
- Fixed Version set to 2022-12-08
- Root cause set to AOSP *问题*

■ Current conclusion

不从源码角度分析

■ My analysis

通过对比分析，发现是recyclerview item默认动画的问题，recyclerview 自带了默认的动画DefaultItemAnimator，最终在RecyclerView里面报了异常,移除item动画的时候最终会调用具体流程：

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```
if (holder.isTmpDetached()) {
    throw new IllegalArgumentException("Tmp detached view should be removed "
        + "from RecyclerView before it can be recycled: " + holder
        + exceptionLabel());
}
```

■ Next action

<https://dev.thundercomm.com/gerrit/c/general/platform/packages/apps/DocumentsUI/+168028>

#8 - 2022-12-08 10:17 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
168028	general/platform/packages/apps/DocumentsUI	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	huangpeng1216@thundersoft.com

#9 - 2022-12-08 13:38 - CD APP-黄棚

- Assignee changed from CD APP-黄棚 to CD Test赵飞

#10 - 2022-12-19 10:53 - CD Test赵飞

- Status changed from RESOLVED to VERIFIED

- % Done changed from 100 to 80

12月9号，14号，16号DB版本均未复现此问题

已跟踪3个版本未复现，关闭此问题

#11 - 2022-12-19 10:53 - CD Test赵飞

- Status changed from VERIFIED to CLOSED

- % Done changed from 80 to 100