Figure - Bug #115240

测试 Test-IT # 110961 (New): V2.0功能测试

测试 Test-IT # 111046 (New): AF-V2.0-系统手势

【AF】【EVT2】【系统手势】应用中频繁通过五指抓手势返回桌面时，com.android.launcher3出现crash【2/5】

2023-01-11 14:24 - CD Test赵飞

Status:	CLOSED	**Start date:**	2023-01-11
Priority:	High	**Due date:**	2023-01-13
Assignee:	CD Test赵飞	**% Done:**	100%
Category:	CD-FW	**Estimated time:**	0.00 hour
Target version:			
Need_Info:	--	**Found Version:**	FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.2
Resolution:	FIXED	**Degrated:**	No
Severity:	Major	**Verified Version:**	
Reproducibility:	Frequently	**Fixed Version:**	2023-01-16
Test Type:	ST	**Root cause:**	修复了空指针异常

Description

【前提条件】
1、设备已开机

【测试步骤】
1、打开任意应用
2、在屏幕上做五指抓手势
3、重复步骤1~2

【预期结果】
3、页面正常返回至桌面，无其他异常

【实际结果】
3、com.android.launcher3出现crash

History

#1 - 2023-01-11 15:00 - 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

Hi 王营

帮忙先一次分析一下，Launcher崩溃了

01-11 07:27:12.059 E/AndroidRuntime(2583): FATAL EXCEPTION: main

01-11 07:27:12.059 E/AndroidRuntime(2583): Process: com.android.launcher3, PID: 2583

01-11 07:27:12.059 E/AndroidRuntime(2583): java.lang.NullPointerException: Attempt to read from field 'android.content.Intent android.app.TaskInfo.baseIntent' on a null object reference

01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.quickstep.TouchInteractionService.newBaseConsumer(TouchInteractionService.java:739)

01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.quickstep.TouchInteractionService.newConsumer(TouchInteractionService.java:660)

01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.quickstep.TouchInteractionService.onInputEvent(TouchInteractionService.java:557)

01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.quickstep.TouchInteractionService.$r8$lambda$QnySfMPM3HQvC_OREg1W70p37mY(Unknown Source:0)

01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.quickstep.TouchInteractionService$$ExternalSyntheticLambda4.onInputEvent(Unknown Source:2)

01-11 07:27:12.059 E/AndroidRuntime(2583): at

com.android.systemui.shared.system.InputChannelCompat$InputEventReceiver$1.onInputEvent(InputChannelCompat.java:74)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:260)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.os.MessageQueue.nativePollOnce(Native Method)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.os.MessageQueue.next(MessageQueue.java:335)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.os.Looper.loopOnce(Looper.java:161)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.os.Looper.loop(Looper.java:288)
01-11 07:27:12.059 E/AndroidRuntime(2583): at android.app.ActivityThread.main(ActivityThread.java:7880)
01-11 07:27:12.059 E/AndroidRuntime(2583): at java.lang.reflect.Method.invoke(Native Method)
01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:548)
01-11 07:27:12.059 E/AndroidRuntime(2583): at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1009)

#2 - 2023-01-11 16:15 - CD APP-王营

- Due date set to 2023-01-13

- Status changed from New to ASSIGNED

#3 - 2023-01-13 10:44 - CD APP-王营

- Category changed from CD-APP to CD-FW

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

石豪在修改手势的时候添加这部分代码导致异常，请排查一下这里的实现逻辑

TouchInteractionService.java

```
private InputConsumer newBaseConsumer(GestureState previousGestureState,
        GestureState gestureState, MotionEvent event) {
    ...
    if (event.getPointerCount() == LIMIT_FINGERS_MIN) {
            ComponentName homeComponent = mOverviewComponentObserver.getHomeIntent().getComponent();
            ComponentName runningComponent =
                gestureState.getRunningTask().baseIntent.getComponent();
            if (runningComponent != null && runningComponent.equals(homeComponent)) {
              return getDefaultInputConsumer();
            }
        }
    ...
    }
```

#4 - 2023-01-13 17:17 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
176534	general/platform/packages/apps/Launcher3	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	caoqg0702@thundersoft.com
AF:Five Pointer Gesture:Fix pointer exceptionTC-RID: 1201-0205203IssueID: TS-R-BUG-115240Change-Id: I5c464f0161cde90338abd0c7418665ea6b041269			

#5 - 2023-01-13 17:20 - CD FW 曹覃刚

- Status changed from ASSIGNED to RESOLVED

- Assignee changed from CD FW 曹覃刚 to CD Test赵飞
- % Done changed from 0 to 100
- Resolution changed from -- to FIXED
- Degrated changed from -- to No
- Fixed Version set to 2023-01-16
- Root cause set to 修复了空指针异常

Hi 飞哥
我们本身没能复现这个问题，但是从代码层面处理了这个异常，并自行测试了50次，是OK的
请帮助验证一下，如果有其他的异常，请注意问题发生的条件，非常感谢

#6 - 2023-01-31 18:44 - CD Test赵飞

- % Done changed from 100 to 70

1月31号release版本未复现
偶现问题，继续跟踪2个版本

#7 - 2023-02-01 17:32 - CD Test赵飞

2月1号DB版本未复现
偶现问题，继续跟踪1个版本

#8 - 2023-02-03 10:48 - CD Test赵飞

- Status changed from RESOLVED to VERIFIED
- % Done changed from 70 to 80

2月3号DB版本未复现
关闭此问题

#9 - 2023-02-03 10:48 - CD Test赵飞

- Status changed from VERIFIED to CLOSED
- % Done changed from 80 to 100

Files

logcat.txt	5.05 MB	2023-01-11	CD Test赵飞