

Figure - Bug #112048

测试 Test-IT # 110961 (New): V2.0功能测试
测试 Test-IT # 111047 (New): AF-V2.0-小窗模式

【AF】【EVT】【小窗模式】【设置】点击Settings应用小窗中的全屏图标后，Settings应用发生crash

2022-09-20 17:59 - CD Test赵飞

Status:	CLOSED	Start date:	2022-09-20
Priority:	High	Due date:	2022-09-27
Assignee:	CDTS_TEST 王成	% Done:	100%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:	VX1_MCE_FSE_V2.0_20220930	Found Version:	FlatBuild_VX1_MCE_xx.xx_FSE.R.userdebug.0.0.0.20220920.alpha_0016
Need_Info:	--	Degrated:	No
Resolution:	FIXED	Verified Version:	FlatBuild_VX1_MCE_xx.xx_FSE.R.userdebug.0.0.0.20220920.alpha_0016
Severity:	Critical	Fixed Version:	
Reproducibility:	Every time	Root cause:	编码问题
Test Type:	IT		
Description			
测试版本：FlatBuild_VX1_MCE_xx.xx_FSE.R.userdebug.0.0.0.20220920.alpha_0016			
【前提条件】			
1、设备已开机			
2、后台未运行任何应用			
【测试步骤】			
1、长按桌面上的“设置”图标			
2、在弹出的菜单中点击“小窗”			
3、点击应用小窗上的全屏图标			
【预期结果】			
3、“设置”应用以全屏正常显示			
【实际结果】			
3、“设置”应用发生crash			
【复现率】			
5/5			
【Log】			
见附件			
【Note】			
其他应用正常			

History

- #1 - 2022-09-21 09:59 - CD FW-王伟
- Assignee changed from CD FW-王伟 to CD- FW-石豪
- #2 - 2022-09-21 16:15 - CD- FW-石豪
- Assignee changed from CD- FW-石豪 to CD AF-陈羽杰
- Root cause set to SettingsHomepageActivity 中的 onCreate 中的 surper.onCreate 方法经过一系列回调后调到 TopLevelSettings.onPreferenceStartFragment 然后调用 SettingsHomepageActivity.changeSettingsDetailsFragment 方法，此时 SettingsHomepageActivity 本就没有初始化成功资源还没有初始化。

【日志分析】

Caused by: java.lang.NullPointerException: Attempt to invoke virtual method 'void android.widget.TextView.setVisibility(int)' on a null object reference

```
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at
com.android.settings.homepage.SettingsHomepageActivity.*setSettingsDetailsTitle(SettingsHomepageActivity.java:278)*
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at
com.android.settings.homepage.SettingsHomepageActivity.*changeSettingsDetailsFragment(SettingsHomepageActivity.java:293)*
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at com.android.settings.homepage.TopLevelSettings.onPreferenceStartFragment(TopLevelSettings.java:102)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at com.android.settings.homepage.TopLevelSettings.onCreatePreferences(TopLevelSettings.java:126)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.preference.PreferenceFragmentCompat.onCreate(PreferenceFragmentCompat.java:161)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at
com.android.settingslib.core.lifecycle.ObservablePreferenceFragment.onCreate(ObservablePreferenceFragment.java:61)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at com.android.settings.SettingsPreferenceFragment.onCreate(SettingsPreferenceFragment.java:127)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at com.android.settings.dashboard.DashboardFragment.onCreate(DashboardFragment.java:150)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.Fragment.performCreate(Fragment.java:2939)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentManager.create(FragmentStateManager.java:451)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentManager.moveToExpectedState(FragmentStateManager.java:254)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentStore.moveToExpectedState(FragmentStore.java:112)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentManager.moveToState(FragmentManager.java:1667)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentManager.dispatchStateChange(FragmentManager.java:3234)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentManager.dispatchCreate(FragmentManager.java:3167)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentController.dispatchCreate(FragmentController.java:240)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at androidx.fragment.app.FragmentActivity.onCreate(FragmentActivity.java:272)
09-21 12:42:50.816 11905 11905 E AndroidRuntime: at com.android.settings.homepage.SettingsHomepageActivity.*onCreate(SettingsHomepageActivity.java:117)*
```

报错原因：setSettingsDetailsTitle方法中mSettingsDetailsTitle为null导致crash

【根本原因】SettingsHomepageActivity中的onCreate中的surper.onCreate方法经过一系列回调后调到TopLevelSettings.onPreferenceStartFragment然后调用SettingsHomepageActivity.changeSettingsDetailsFragment方法，此时SettingsHomepageActivity本就没有初始化成功资源还没有初始化。

【解决方案】更改TopLevelSettings.onPreferenceStartFragment里的回调逻辑，做延时机制

【下一步动作】这个是做feature时，衍生出来的bug，需要转给相关同事处理

#3 - 2022-09-23 14:28 - CDTS_TEST 王成

- Target version set to VX1_MCE_FSE_V2.0_20220930

#4 - 2022-09-23 14:58 - CD AF-陈羽杰

- Status changed from New to ASSIGNED

#5 - 2022-09-23 15:01 - CD AF-陈羽杰

- % Done changed from 0 to 80

- Root cause deleted (SettingsHomepageActivity中的onCreate中的surper.onCreate方法经过一系列回调后调到TopLevelSettings.onPreferenceStartFragment然后调用SettingsHomepageActivity.changeSettingsDetailsFragment方法，此时SettingsHomepageActivity本就没有初始化成功资源还没有初始化。)

Current conclusion

已经定位到问题

■ My analysis

SettingsHomepageActivity中的onCreate中的surper.onCreate方法经过一系列回调后调到TopLevelSettings.onPreferenceStartFragment然后调用SettingsHomepageActivity.changeSettingsDetailsFragment方法，此时SettingsHomepageActivity本就没有初始化成功资源还没有初始化。

■ Next action

本地修复并验证

#6 - 2022-09-23 15:01 - CD AF-陈羽杰

- Status changed from ASSIGNED to RESOLVED
- Degrated changed from -- to No
- Root cause set to 编码问题

#7 - 2022-09-27 17:51 - CD AF-陈羽杰

- Assignee changed from CD AF-陈羽杰 to CDTS_TEST 王成
- % Done changed from 80 to 100
- Resolution changed from -- to FIXED

Current conclusion

已经定位到问题

■ My analysis

SettingsHomepageActivity中的onCreate中的surper.onCreate方法经过一系列回调后调到TopLevelSettings.onPreferenceStartFragment然后调用SettingsHomepageActivity.changeSettingsDetailsFragment方法，此时SettingsHomepageActivity本就没有初始化成功资源还没有初始化。

■ submit url

<https://dev.thundercomm.com/gerrit/c/general/platform/packages/apps/Settings/+/151143>

#8 - 2022-09-27 19:58 - CDTS_TEST 王成

- Severity changed from Normal to Critical

#9 - 2022-09-28 15:30 - CD Test赵飞

- Status changed from RESOLVED to VERIFIED
- Verified Version set to FlatBuild_VX1_MCE_xx.xx_FSE.R.userdebug.0.0.0.20220928.alpha_0022

验证版本：FlatBuild_VX1_MCE_xx.xx_FSE.R.userdebug.0.0.0.20220928.alpha_0022

验证结果：PASS

Settings应用的小窗模式已被移除，此问题不再复现

#10 - 2022-09-28 15:30 - CD Test赵飞

- Status changed from VERIFIED to CLOSED

#11 - 2022-12-22 20:36 - CD FW-王伟

Gerrit Merge Information：

ID	Project	Branch	Uploader
151143	general/platform/packages/apps/Settins	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	yujie.chen@thundersoft.com
AF:Settings: Fix Small window BUG1.Fix Settings small window to full screen crashTC-RID: 1201-0201813IssueID: TS-R-DF-112048Change-Id: I99cb43637bf6619834cbfd9823a2a9f15d36d62b			

Files			
logcat.txt	1.7 MB	2022-09-20	CD Test赵飞