

Figure - Bug #117861

测试 Test-ST # 111337 (New): ST测试总票
测试 Test-ST # 116840 (New): 中控联调测试-AF

同客户bug IOVDEV-29760【AF】【EVT3】【AUDIO】【媒体播放】本地视频播放中，断电重启副屏，重启再次播放本地视频提示 “无法播放”

2023-05-10 17:16 - 物联网测试组_CDTs 唐霞

Status:	CLOSED	Start date:	2023-05-10
Priority:	High	Due date:	
Assignee:	物联网测试组_CDTs 唐霞	% Done:	0%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_MCE_FSE.M.R.user.01.00.0098
Need_Info:	--	Degrated:	No
Resolution:	FIXED	Verified Version:	
Severity:	Major	Fixed Version:	
Reproducibility:	Every time	Root cause:	对微设定的消息处理速度进行了提升
Test Type:	Release Test		对于异常
Description			
【测试步骤】 副屏连接中控，播放本地视频，视频播放中副屏断电重启 【预期结果】 重启完成后，可正常播放本地视频 【测试结果】 重启后播放本地视频提示"文件无法打开"			
Related issues:			
Related to Figure - Bug # 118092: 【IOVDEV-27968】【内部】【VC1】...			CLOSED 2023-05-18

History

#1 - 2023-05-10 17:43 - CD TEST-方永红
- Category changed from CD-FW to AUDIO-FW
- Assignee changed from CD FW 曹覃刚 to Multimedia组-RD3_TSCD 梁卿山

#2 - 2023-05-11 11:05 - Multimedia组-RD3_TSCD 梁卿山

Hi 唐霞

从复现的日志来看，该问题发生时，获取焦点超时，导致了不能播放视频。
该问题仅发生在，重启后的三秒内播放视频。

详细分析如下：

05-11 10:47:18.135 1394 1937 D AudioIDCMicroNegotiator: idcm_common:onConnectStateChange: 1
05-11 10:47:18.135 1394 1937 D AudioIDCMicroNegotiator: idcm_volume:syncIDCMicroAudioVolume device fist start
05-11 10:47:18.135 1394 1937 D AudioIDCMicroNegotiator: idcm_volume:getIDCMicroVolume
05-11 10:47:18.135 1394 1937 D AudioIDCMicroNegotiator: idcm_common:requestResult method = getVolume parameters =
{functionInfo:{"IDCM_VolumeValue_Media":"MEDIA"}}
05-11 10:47:45.508 4014 4014 W AudioManager: See the documentation of requestAudioFocus() for what to use instead with android.media.AudioAttributes to qualify your playback use case
05-11 10:47:45.510 1394 3014 I MediaFocusControl: requestAudioFocus() from uid/pid 10071/4014 AA=USAGE_MEDIA/CONTENT_TYPE_MUSIC clientId=[android.media.AudioManager@44ddb25com.android.gallery3d.app.MoviePlayer\\$6](#)at189c4fa callingPack=com.android.gallery3d req=1 flags=0x0 sdk=29
05-11 10:47:45.567 1394 2593 D AudioService.PlaybackActivityMonitor: idcm_af:requestAudioFocusToIDCM: event=2(PPLAYER_STATE_STARTED)apc=
=AudioPlaybackConfiguration piid:159 deviceId:0 type:android.media.MediaPlayer u/pid:10071/4014 state:idle attr:AudioAttributes: usage=USAGE_MEDIA

content=CONTENT_TYPE_MOVIE flags=0x800 tags= bundle=null sessionId:0 申请焦点

05-11 10:47:45.568 1394 2593 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus, streamtype = 3

05-11 10:47:45.568 1394 2593 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus: AudioFocus_Media

05-11 10:47:45.568 1394 2593 D AudioIDCMicroNegotiator: idcm_common:requestResult method = requestAudioFocus parameters = {"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media"}}

05-11 10:47:45.568 1394 2593 I MicroServiceManager: requestResult(requestAudioFocus) parameters is{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media"}}.

05-11 10:47:45.568 1394 2593 D AudioIDCMicroNegotiator: idcm_af:updateAudioInfo

05-11 10:47:45.568 1394 2593 D AudioIDCMicroNegotiator: idcm_af:obtainFocusState

05-11 10:47:45.571 1394 1937 D AudioIDCMicroNegotiator: idcm_volume:getIDCMicroAudioMute

05-11 10:47:45.571 1394 1937 D AudioIDCMicroNegotiator: idcm_common:requestResult method = isMute parameters = {"functionInfo":{"IDCM_VolumeMute_Media":"WHOLE_VEHICLE"}}

05-11 10:47:45.611 2124 4071 I MicroService: onResponse(requestAudioFocus): {"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_GRANTED"}} 中控回复焦点结果

05-11 10:47:46.169 1394 2593 W AudioIDCMicroNegotiator: idcm_warn: timeout for obtainFocusState: RequestInfosToIDCM{mPid=4014, mUid=10071} 焦点机制判断焦点获取超时

05-11 10:47:46.169 1394 2593 D AudioIDCMicroNegotiator: idcm_af:notifyFocusState -> notify

05-11 10:47:46.169 1394 2593 D AudioIDCMicroNegotiator: idcm_af:obtainFocusState, return: 0 mIsTimeout= true time= 601

05-11 10:47:46.169 1394 2593 D AudioService.PlaybackActivityMonitor: idcm_af:requestAudioFocusToIDCM -> stopPlayer: 159 停止视频播放

05-11 10:47:46.169 1394 1857 D AudioIDCMicroNegotiator: idcm_af:wait message done -> onAudioFocusRemoteChanged

05-11 10:47:46.169 1394 2593 D AudioService.PlaybackActivityMonitor: idcm_af:stopPlayer apc= AudioPlaybackConfiguration piid:159 deviceId:0 type:android.media.MediaPlayer u/pid:10071/4014 state:idle attr:AudioAttributes: usage=USAGE_MEDIA content=CONTENT_TYPE_MOVIE flags=0x800 tags= bundle=null sessionId:0 视频停止播放

下一步

超时的原因是微服务没有及时分发消息给焦点控制，所以导致焦点超时

#3 - 2023-05-11 17:26 - Multimedia组-RD3_TSCD 梁卿山

- Status changed from New to ASSIGNED

- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD FW-程天颖

HI 天颖

根据上面的分析，帮忙看看微服务在开机时，是否分发消息及时呢，谢谢！

#4 - 2023-05-12 10:13 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
199510	general/platform/vendor/thundercom/apps/VehicleControl	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com
AF:VehicleDataControl: Fixed do command is so slowTC-RID: 1201-0206101IssueID: TS-R-BUG-117861Change-Id: I65e547443cc596e004a6e91511919e0fa62e90c1			

#5 - 2023-05-12 10:21 - CD FW-程天颖

- Assignee changed from CD FW-程天颖 to Multimedia组-RD3_TSCD 梁卿山

Hi 卿山，
我对微设定的消息处理速度进行了提升，请继续分析

#6 - 2023-05-12 17:46 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to 物联网测试组_CDTs 唐霞
- Resolution changed from -- to FIXED
- Degrated changed from -- to No
- Root cause set to 对微设定的消息处理速度进行了提升

Hi 唐霞

该问题天颖已经处理，请使用5/12后的版本进行验证。

#7 - 2023-05-17 18:25 - 物联网测试组_CDTs 唐霞
- Status changed from RESOLVED to ASSIGNED
- Assignee changed from 物联网测试组_CDTs 唐霞 to Multimedia组-RD3_TSCD 梁卿山

验证不通过，该问题仍存在
验证版本：FlatBuild_HH_MCE_FSE.M.D.user.01.00.C103.202305171038

#8 - 2023-05-18 19:50 - Multimedia组-RD3_TSCD 梁卿山
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD FW-程天颖

Hi 天颖

根据以下日志，该问题由于启动时，audio服务没有联通，导致了播放失败，具体联通慢的原因，麻烦分析一下，谢谢！

05-18 19:42:41.784 1201 1958 D AudioIDCMicroNegotiator: idcm_common:onConnectStateChange: -1

05-18 19:42:57.688 1201 1957 D AudioIDCMicroNegotiator: idcm_common:onConnectStateChange: 1

#9 - 2023-05-18 20:07 - CD FW-程天颖

05-18 19:42:54.880 1201 1713 I MicroServiceManager: requestResult(requestAudioFocus) parameters is{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media"}}.
05-18 19:42:54.880 1201 1713 D AudioIDCMicroNegotiator: idcm_af:updateAudioInfo
05-18 19:42:54.880 1201 1713 D AudioIDCMicroNegotiator: idcm_af:obtainFocusState
05-18 19:42:54.881 1964 2005 E MicroService: Client is not connected.
05-18 19:42:54.881 1964 2005 E MicroService: Client is not connected.
05-18 19:42:54.890 1964 2096 E MicroService: DTC_ETH: BaseMicroSocketClient:createClientSocket()
05-18 19:42:54.890 1964 2096 E MicroService: java.net.NoRouteToHostException: Host unreachable
05-18 19:42:54.890 1964 2096 E MicroService: at libcore.io.IoBridge.connect(IoBridge.java:183)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.PlainSocketImpl.socketConnect(PlainSocketImpl.java:142)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.AbstractPlainSocketImpl.doConnect(AbstractPlainSocketImpl.java:390)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.AbstractPlainSocketImpl.connectToAddress(AbstractPlainSocketImpl.java:230)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.AbstractPlainSocketImpl.connect(AbstractPlainSocketImpl.java:212)

05-18 19:42:54.890 1964 2096 E MicroService: at java.net.SocksSocketImpl.connect(SocksSocketImpl.java:436)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.Socket.connect(Socket.java:621)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.Socket.connect(Socket.java:570)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.Socket.<init>(Socket.java:450)
05-18 19:42:54.890 1964 2096 E MicroService: at java.net.Socket.<init>(Socket.java:292)
05-18 19:42:54.890 1964 2096 E MicroService: at com.thundercomm.microservice.base.BaseMicroSocketClient.createClientSocket(BaseMicroSocketClient.java:20)
05-18 19:42:54.890 1964 2096 E MicroService: at com.thundercomm.microservice.MicroSocketClient.sendMessage(MicroSocketClient.java:79)
05-18 19:42:54.890 1964 2096 E MicroService: at
com.thundercomm.microservice.MicroSocketClient.lambda\$handShake\$1\$MicroSocketClient(MicroSocketClient.java:94)
05-18 19:42:54.890 1964 2096 E MicroService: at com.thundercomm.microservice.MicroSocketClient\$\$ExternalSyntheticLambda0.run(Unknown Source:4)
05-18 19:42:54.890 1964 2096 E MicroService: at java.lang.Thread.run(Thread.java:920)
05-18 19:42:55.480 1201 1713 W AudioIDCMicroNegotiator: idcm_warn: timeout for obtainFocusState: RequestInfosToIDCM{mPid=4953, mUid=10072}
05-18 19:42:55.480 1201 1713 D AudioIDCMicroNegotiator: idcm_af:notifyFocusState -> notify
05-18 19:42:55.481 1201 1713 D AudioIDCMicroNegotiator: idcm_af:obtainFocusState, return: 0 mIsTimeout= tr
根据日志分析，开机刚启动时网络环境未创建完成，无法中控进行通信，导致获取焦点失败

#10 - 2023-05-22 19:15 - CDTs-TEST 周婷
- Category changed from AUDIO-FW to CD-FW

#11 - 2023-05-22 20:13 - CD FW-程天颖
- Assignee changed from CD FW-程天颖 to CD TPM-王祥林

#12 - 2023-05-22 21:06 - CDTs-TEST 周婷
- Subject changed from 【AF】【EVT3】【AUDIO】【媒体播放】本地视频播放中，断电重启副屏，重启再次播放本地视频提示“无法播放” to 同客
户bug IOVDEV-29529 【AF】【EVT3】【AUDIO】【媒体播放】本地视频播放中，断电重启副屏，重启再次播放本地视频提示“无法播放”

同客户bug IOVDEV-29529【IOV测试】【VC1】【SORP】【语音】【电话】【实车】语音播报：打开副屏，副屏已打开，偶现TTS播报：副驾屏打开失
败

#13 - 2023-05-22 21:35 - CDTs-TEST 周婷
- Subject changed from 同客户bug IOVDEV-29529 【AF】【EVT3】【AUDIO】【媒体播放】本地视频播放中，断电重启副屏，重启再次播放本地视频提示
“无法播放” to 同客户bug IOVDEV-29760 【AF】【EVT3】【AUDIO】【媒体播放】本地视频播放中，断电重启副屏，重启再次播放本地视频提示“无
法播放”

IOVDEV-29760
【内部】【VC1】【0095】【实车】【EE环境】【副屏】【display】重启后，播放本地视频，会卡住不动，重新点击播放提示“无法播放此视频”

#14 - 2023-06-03 22:26 - CD TPM-王祥林
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD TPM-王祥林 to 物联网测试组_CDTs 唐霞

106版本已修复，开机进入Launcher后就会有网络了，音视频可以正常播放。

#15 - 2023-06-05 17:43 - 物联网测试组_CDTs 唐霞
- Status changed from RESOLVED to ASSIGNED
- Assignee changed from 物联网测试组_CDTs 唐霞 to CD TPM-王祥林

- Priority changed from Normal to High
- Severity changed from Normal to Major

验证不通过，该问题仍存在（播放本地视频中断电重启，重启完成后桌面已显示完状态栏图标和音量条后，进入视频播放断电时播放的视频提示“无法播放此视频”）

验证版本：FlatBuild_HH_MCE_FSE.M.R.user.01.00.0107.C104

#16 - 2023-06-07 21:00 - CD TPM-王祥林

- Assignee changed from CD TPM-王祥林 to Multimedia组-RD3_TSCD 梁卿山

卿山

看看是不是其他原因导致的。

#17 - 2023-06-08 11:41 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

该问题由其他原因导致，在开机时创建mediaplayer后，设置数据资源时报错。

根据流程查看，都是在获取根据URI获取fd时报错导致。

```
26201:06-08 11:10:52.546 1546 4547 I MediaFocusControl: abandonAudioFocus() from uid/pid 10065/5210 clientId=android.media.AudioManager@7c02012
26403:06-08 11:10:53.005 1926 2870 D Avrcp_ext: AudioManager Player: AudioPlaybackConfiguration piid:79 deviceId:0 type:android.media.MediaPlayer
u/pid:10065/5210 state:idle attr:AudioAttributes: usage=USAGE_UNKNOWN content=CONTENT_TYPE_UNKNOWN flags=0x800 tags= bundle=null
sessionId:41
26411:06-08 11:10:53.014 5210 5210 D MediaPlayer: attemptDataSource exception return false: java.io.IOException: Failed to instantiate extractor.
26413:06-08 11:10:53.015 1206 2703 E MediaPlayerService: Couldn't open fd for content://media/external/video/media/796
26414:06-08 11:10:53.015 5210 5210 E MediaPlayerNative: Unable to create media player
26415:06-08 11:10:53.015 5210 5210 W VideoView: Unable to open content: content://media/external/video/media/796
26416:06-08 11:10:53.015 5210 5210 W VideoView: java.io.IOException: setDataSource failed.: status=0x80000000
26417:06-08 11:10:53.015 5210 5210 W VideoView: at android.media.MediaPlayer.nativeSetDataSource(Native Method)
26418:06-08 11:10:53.015 5210 5210 W VideoView: at android.media.MediaPlayer.setDataSource(MediaPlayer.java:1210)
26419:06-08 11:10:53.015 5210 5210 W VideoView: at android.media.MediaPlayer.setDataSource(MediaPlayer.java:1197)
26420:06-08 11:10:53.015 5210 5210 W VideoView: at android.media.MediaPlayer.setDataSource(MediaPlayer.java:1102)
26421:06-08 11:10:53.015 5210 5210 W VideoView: at android.media.MediaPlayer.setDataSource(MediaPlayer.java:1123)
26422:06-08 11:10:53.015 5210 5210 W VideoView: at android.widget.VideoView.openVideo(VideoView.java:412)
26423:06-08 11:10:53.015 5210 5210 W VideoView: at android.widget.VideoView.access$2200(VideoView.java:83)
26424:06-08 11:10:53.015 5210 5210 W VideoView: at android.widget.VideoView$7.surfaceCreated(VideoView.java:694)
26425:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.SurfaceView.updateSurface(SurfaceView.java:1204)
26426:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.SurfaceView.setWindowStopped(SurfaceView.java:312)
26427:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.SurfaceView.surfaceCreated(SurfaceView.java:1840)
26428:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.ViewRootImpl.notifySurfaceCreated(ViewRootImpl.java:1935)
26429:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.ViewRootImpl.performTraversals(ViewRootImpl.java:3208)
26430:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.ViewRootImpl.doTraversal(ViewRootImpl.java:2146)
26431:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.ViewRootImpl$TraversalRunnable.run(ViewRootImpl.java:8676)
26432:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.Choreographer$CallbackRecord.run(Choreographer.java:1120)
26433:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.Choreographer.doCallbacks(Choreographer.java:926)
26434:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.Choreographer.doFrame(Choreographer.java:859)
26435:06-08 11:10:53.015 5210 5210 W VideoView: at android.view.Choreographer$FrameDisplayEventReceiver.run(Choreographer.java:1105)
```

```

26436:06-08 11:10:53.015 5210 5210 W VideoView: at android.os.Handler.handleCallback(Handler.java:938)
26437:06-08 11:10:53.015 5210 5210 W VideoView: at android.os.Handler.dispatchMessage(Handler.java:99)
26438:06-08 11:10:53.015 5210 5210 W VideoView: at android.os.Looper.loopOnce(Looper.java:201)
26439:06-08 11:10:53.015 5210 5210 W VideoView: at android.os.Looper.loop(Looper.java:288)
26440:06-08 11:10:53.015 5210 5210 W VideoView: at android.app.ActivityThread.main(ActivityThread.java:7880)
26441:06-08 11:10:53.015 5210 5210 W VideoView: at java.lang.reflect.Method.invoke(Native Method)
26442:06-08 11:10:53.015 5210 5210 W VideoView: at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:548)
26443:06-08 11:10:53.015 5210 5210 W VideoView: at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1009)
26444:06-08 11:10:53.015 5210 5210 D VideoView: Error: 1,0

```

```

998     int fd = android::openContentProviderFile(url16);
999     if (fd < 0)
1000     {
1001         ALOGE("Couldn't open fd for %s", url);
1002         return UNKNOWN_ERROR;
1003     }

```

```

27     int openContentProviderFile(const String16& uri)
28     {
29         int fd = -1;
30
31         sp<IServiceManager> sm = defaultServiceManager();
32         sp<IBinder> binder = sm->getService(String16("activity"));
33         sp<IActivityManager> am = interface_cast<IActivityManager>(binder);
34         if (am != NULL) {
35             fd = am->openContentUri(uri);
36         }
37
38         return fd;
39     }

```

```

38     virtual int openContentUri(const String16& stringUri)
39     {
40         Parcel data, reply;
41         data.writeInterfaceToken(IActivityManager::getInterfaceDescriptor());
42         data.writeString16(stringUri);
43         status_t ret = remote()->transact(OPEN_CONTENT_URI_TRANSACTION, data, & reply);
44         int fd = -1;
45         if (ret == NO_ERROR) {
46             int32_t exceptionCode = reply.readExceptionCode();
47             if (!exceptionCode) {
48                 // Success is indicated here by a nonzero int followed by the fd;
49                 // failure by a zero int with no data following.
50                 if (reply.readInt32() != 0) {
51                     fd = fcntl(reply.readParcelFileDescriptor(), F_DUPFD_CLOEXEC, 0);
52                 }
53             } else {
54                 // An exception was thrown back; fall through to return failure
55                 ALOGD("openContentUri(%s) caught exception %d\n",
56                     String8(stringUri).string(), exceptionCode);

```

```
57     }  
58     }  
59     return fd;  
60 }
```

下一步：

需要AF组来调查一下为什么获取文件描述符出错。

#18 - 2023-06-09 13:53 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

进一步调查发现，当问题复现时，该视频文件已经出现问题，
拿到电脑端也无法播放，
所以该问题可能是关机时导致视频文件出现了问题。

当前复现步骤：

- 1.录制屏幕一段时间
- 2.使用图库播放该视频
- 3.下电
- 4.重启后使用图库播放该视频。

在视频录制完成后，手动sync后，不会再出现该问题。
该问题是异常下电导致数据未能完全保存到设备导致。

#19 - 2023-06-09 14:47 - Multimedia组-RD3_TSCD 梁卿山

- Status changed from ASSIGNED to RESOLVED

- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to 物联网测试组_CDTs 唐霞

- Root cause changed from 对微设定的消息处理速度进行了提升到 对微设定的消息处理速度进行了提升
对于异常下电导致视频数据未完全保存不做处理

HI ALL

总结：

当前复现步骤：

- 1.录制屏幕一段时间
- 2.使用图库播放该视频
- 3.下电
- 4.重启后使用图库播放该视频。

根本原因：

该问题是异常下电导致数据未能完全保存到设备导致。

结论：

该问题只在异常下电时发生，该场景实车不会遇到，正常下电不会发生该问题。
所以该问题不做处理。

#20 - 2023-06-12 15:22 - SZTS_TEST 邹涛

- Status changed from RESOLVED to VERIFIED

在 FlatBuild_HH_MCE_FSE.M.D.user.01.00.C104.202306100050版本未复现，验证通过

#21 - 2023-06-12 15:22 - SZTS_TEST 邹涛

- Status changed from VERIFIED to CLOSED