

Figure - 开发 Dev #113212

开发 Dev # 110122 (New): 【MK】管理总票
开发 Dev # 110125 (New): 【MK】【BSP】管理总票
开发 Dev # 110638 (解决 Resolved): 【MK】【008】【BOOT】主任务
【MK】【008】【BOOT】【TC-RID:1200-0100806】交付SDK
2022-10-27 20:58 - CD BSP-唐金泽

Status:	保留中 Pending	Start date:	2022-11-23
Priority:	Normal	Due date:	
Assignee:	CD TPM-王祥林	% Done:	10%
Category:	BSP	Estimated time:	0.00 hour
Target version:			
Description			
基线SDK 制作及验证			

History

#1 - 2022-10-31 10:43 - CD BSP-杜磊
- Status changed from 未着手 Not Started to 进行中 In Progress
- Assignee changed from CD BSP-唐金泽 to CD BSP-杜磊

#2 - 2022-11-07 18:26 - CD BSP-杜磊
- % Done changed from 0 to 10

#3 - 2022-11-24 18:27 - CD BSP-杜磊

第一遍已经编译完成，但是烧写后系统无法进安卓，正在debug进行第二次编译

#4 - 2022-11-25 19:00 - CD BSP-杜磊
- % Done changed from 10 to 20

Fix如下编译问题，

6. aboot编译失败
53499 BaseTools C Tool binary was not found (GenFw)
53500 You may need to run:
53501 make -C /home/leo/workspace/figure/vendor/LINUX/android/bootable/bootloader/edk2/BaseTools/Source/C
53502 cp -f
/home/leo/workspace/figure/vendor/LINUX/sdk_test/out/target/product/figure/obj/ABL_OBJ/Build/DEBUG_CLANG35/AARCH64/QcomModulePkg/Application/LinuxLoader/LinuxLoader/DEBUG/LinuxLoader.efi /home/leo/workspace/figure/vendor/LINUX/sdk_test/bootable/bootloader/edk2/../../out/target/product/figure/obj/ABL_OBJ/Build/DEBUG_CLANG35/AARCH64/QcomModulePkg/Application/LinuxLoader/LinuxLoader/OUTPUT
53503 cp: bad
'/home/leo/workspace/figure/vendor/LINUX/sdk_test/out/target/product/figure/obj/ABL_OBJ/Build/DEBUG_CLANG35/AARCH64/QcomModulePkg/Application/LinuxLoader/LinuxLoader/DEBUG/LinuxLoader.efi': No such file or directory
53504 make: *** [GNUmakefile:496:
/home/leo/workspace/figure/vendor/LINUX/sdk_test/out/target/product/figure/obj/ABL_OBJ/Build/DEBUG_CLANG35/AARCH64/QcomModulePkg/Application/LinuxLoader/LinuxLoader/DEBUG/LinuxLoader.efi] Error 1
53505 make: Leaving directory
'/home/leo/workspace/figure/vendor/LINUX/sdk_test/out/target/product/figure/obj/ABL_OBJ/Build/DEBUG_CLANG35/AARCH64/QcomModulePkg/Application/LinuxLoader/LinuxLoader'

执行如下：

```
make -C /home/leo/workspace/figure/vendor/LINUX/android/bootable/bootloader/edk2/BaseTools/Source/C
```

7. mk规则改变，导致头文件无法找到

```
vendor/qcom/opensource/audio-hal/primary-hal/hal/audio_hw.c:89:10: fatal error: 'log_xml_parser.h' file not found
```

```
#include <log_xml_parser.h>
```

```
^~~~~~
```

```
1 error generated.
```

```
vendor/qcom/proprietary/mm-audio/audio-log-utils/Android.mk
```

```
+ include $(BUILD_COPY_HEADERS)
```

```
vendor/qcom/opensource/audio-hal/st-hal/st_graphite_api.h:33:10: fatal error: 'graphite_common.h' file not found
```

```
#include "graphite_common.h"
```

```
vendor/qcom/proprietary/mm-audio/graphite-client/gcs/Android.mk
```

```
+ include $(BUILD_COPY_HEADERS)
```

```
out/target/product/figure/obj/include/mm-audio/graphite-client/gcs/graphite_common.h:17:10: fatal error: 'osal_pack_start.h' file not found
```

```
21702 #include <osal_pack_start.h>
```

```
vendor/qcom/proprietary/mm-audio/graphite-client/osal/Android.mk
```

```
+ include $(BUILD_COPY_HEADERS)
```

```
vendor/qcom/opensource/audio-hal/primary-hal/hal/audio_extn/passthru.c:56:10: fatal error: 'audio_parsers.h' file not found
```

```
#include "audio_parsers.h"
```

```
vendor/qcom/proprietary/mm-audio/audio-parsers/Android.mk
```

```
+ include $(BUILD_COPY_HEADERS)
```

8. Android.bp中未定义如下两个hidl_interface,需要参考源码补全

```
FAILED: out/target/product/figure/vendor/etc/init/init.embmssl_server.rc
```

```
/bin/bash -c "(out/host/linux-x86/bin/host_init_verifier -p out/target/product/figure/obj/ETC/passwd_system_intermediates/passwd_system -p out/target/product/figure/obj/ETC/passwd_vendor_intermediates/passwd_vendor -p out/target/product/figure/obj/ETC/passwd_odm_intermediates/passwd_odm -p out/target/product/figure/obj/ETC/passwd_product_intermediates/passwd_product --property-contexts=out/target/product/figure/obj/ETC/plat_property_contexts_intermediates/plat_property_contexts --property-contexts=out/target/product/figure/obj/ETC/system_ext_property_contexts_intermediates/system_ext_property_contexts --property-contexts=out/target/product/figure/obj/ETC/product_property_contexts_intermediates/product_property_contexts --property-contexts=out/target/product/figure/obj/ETC/vendor_property_contexts_intermediates/vendor_property_contexts --property-contexts=out/target/product/figure/obj/ETC/odm_property_contexts_intermediates/odm_property_contexts vendor/qcom/proprietary/prebuilt_HY11/target/product/kona/vendor/etc/init/init.embmssl_server.rc) && (mkdir -p out/target/product/figure/vendor/etc/init/ ) && (rm -f out/target/product/figure/vendor/etc/init/init.embmssl_server.rc) && (cp \"vendor/qcom/proprietary/prebuilt_HY11/target/product/kona/vendor/etc/init/init.embmssl_server.rc\" \"out/target/product/figure/vendor/etc/init/init.embmssl_server.rc\")"
```

```
host_init_verifier: vendor/qcom/proprietary/prebuilt_HY11/target/product/kona/vendor/etc/init/init.embmssl_server.rc: 7:
```

```
Interface is not in the known set of hidl_interfaces: 'vendor.qti.hardware.embmssl@1.0::IEmbms'. Please ensure the interface is spelled correctly and built by a hidl_interface target.
```

```
Interface is not in the known set of hidl_interfaces: 'vendor.qti.hardware.embmssl@1.1::IEmbms'. Please ensure the interface is spelled correctly and built by a hidl_interface target.
```

```
host_init_verifier: Failed to parse init script 'vendor/qcom/proprietary/prebuilt_HY11/target/product/kona/vendor/etc/init/init.embmssl_server.rc' with 1 errors
```

```
vendor/qcom/proprietary/embms/Android.bp
```

9. Overlay预编译的app,需要更改Android.mk的编译规则，FrameworksResTarget.apk未找到

```
[ 99% 6393/6440] FrameworksResTarget dexpreopt
```

```
FAILED: out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.zip
/bin/bash -c "bash out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.sh
vendor/qcom/proprietary/commonsys-intf/resource-overlay/kona/Frameworks/FrameworksResTarget.apk
out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.zip"
dex2oatd64 E 11-25 18:50:36 4430 4430 oat_writer.cc:571] No dex files in zip file '/vendor/overlay/FrameworksResTarget/FrameworksResTarget.apk': Entry not found
```

#5 - 2022-11-28 19:13 - CD BSP-杜磊

- % Done changed from 20 to 30

3. apk overlay编译错误。

```
build/make/core/app_prebuilt_internal.mk:143: error: No LOCAL_CERTIFICATE specified for prebuilt
"vendor/qcom/proprietary/gps/OptInAppOverlay/OptInAppOverlay.apk".
vendor/qcom/proprietary/gps/OptInAppOverlay/Android.mk
LOCAL_PATH := $(call my-dir)
include $(CLEAR_VARS)
LOCAL_MODULE_TAGS := optional
LOCAL_MODULE := OptInAppOverlay
LOCAL_MODULE_CLASS := APPS
LOCAL_MODULE_SUFFIX := $(COMMON_ANDROID_PACKAGE_SUFFIX)
LOCAL_PACKAGE_NAME := $(LOCAL_MODULE)
LOCAL_CERTIFICATE := PRESIGNED
LOCAL_DEX_PREOPT := false
LOCAL_REPLACE_PREBUILT_APK_INSTALLED := $(LOCAL_PATH)/$(LOCAL_MODULE).apk
LOCAL_MODULE_PATH := $(PRODUCT_OUT)/vendor/overlay
```

```
include $(BUILD_PREBUILT)
```

```
FAILED: out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.zip
/bin/bash -c "bash out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.sh vendor/qcom/proprietary/commonsys-intf/resource-ov
erlay/kona/Frameworks/FrameworksResTarget.apk out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.zip"
dex2oatd64 E 11-25 18:50:36 4430 4430 oat_writer.cc:571] No dex files in zip file '/vendor/overlay/FrameworksResTarget/FrameworksResTarget.apk': Entr y not found
error: out/target/product/figure/obj/APPS/FrameworksResTarget_intermediates/dexpreopt.sh:23 exited with status 1
error in command:
```

```
vendor/qcom/proprietary/commonsys-intf/resource-overlay/kona/Frameworks/Android.mk
LOCAL_PATH := $(call my-dir)
include $(CLEAR_VARS)
LOCAL_MODULE_TAGS := optional
LOCAL_MODULE := FrameworksResTarget
LOCAL_SRC_FILES := FrameworksResTarget.apk
LOCAL_MODULE_CLASS := APPS
LOCAL_MODULE_SUFFIX := $(COMMON_ANDROID_PACKAGE_SUFFIX)
LOCAL_PACKAGE_NAME := $(LOCAL_MODULE)
LOCAL_CERTIFICATE := PRESIGNED
LOCAL_DEX_PREOPT := false
LOCAL_REPLACE_PREBUILT_APK_INSTALLED := $(LOCAL_PATH)/$(LOCAL_MODULE).apk
LOCAL_MODULE_PATH := $(PRODUCT_OUT)/vendor/overlay
```

```
include $(BUILD_PREBUILT)
```

```
atd64 E 11-28 11:06:58 26552 26552 oat_writer.cc:571] No dex files in zip file '/vendor/overlay/WifiResTarget/WifiResTarget.apk': Entry not found
```

error: out/target/product/figure/obj/APPS/WifiResTarget_intermediates/dexpreopt.sh:23 exited with status 1
error in command:

```
vendor/qcom/proprietary/commonsys-intf/resource-overlay/kona/Wifi/Android.mk
LOCAL_PATH := $(call my-dir)
include $(CLEAR_VARS)
LOCAL_MODULE_TAGS := optional
LOCAL_MODULE := WifiResTarget
LOCAL_SRC_FILES := WifiResTarget.apk
LOCAL_MODULE_CLASS := APPS
LOCAL_MODULE_SUFFIX := $(COMMON_ANDROID_PACKAGE_SUFFIX)
LOCAL_PACKAGE_NAME := $(LOCAL_MODULE)
LOCAL_CERTIFICATE := PRESIGNED
LOCAL_DEX_PREOPT := false
LOCAL_REPLACE_PREBUILT_APK_INSTALLED := $(LOCAL_PATH)/$(LOCAL_MODULE).apk
LOCAL_MODULE_PATH := $(PRODUCT_OUT)/vendor/overlay

include $(BUILD_PREBUILT)
```

#6 - 2022-12-07 17:21 - CD BSP-杜磊

ftp://cdiot@192.168.87.46/Pre_figure/SDK/proprietary-OK-1207.zip

#7 - 2022-12-20 11:00 - CD BSP-杜磊

- % Done changed from 30 to 60

初版作成：

ftp://cdiot@192.168.87.46/Pre_figure/SDK/release/proprietary-20221220.zip

能正常开机

#8 - 2022-12-23 12:16 - CD BSP-杜磊

- File pmk.py added
- File Copy_file.sh added
- File make_image.sh added
- File resc added

#9 - 2023-01-03 14:51 - CD BSP-杜磊

- Status changed from 进行中 In Progress to 解决 Resolved
- % Done changed from 60 to 100

#10 - 2023-04-13 11:34 - CD BSP-杜磊

- Status changed from 解决 Resolved to 进行中 In Progress
- % Done changed from 100 to 10

Hi, 祥林，

需要SCM, 基于开发分支创建SDK分支

#11 - 2023-04-14 17:18 - CD BSP-杜磊

- Status changed from 进行中 In Progress to 保留中 Pending
- Assignee changed from CD BSP-杜磊 to CD TPM-王祥林

#12 - 2023-06-27 16:00 - CD BSP-杜磊

- File Figure_sdk_notes.txt added

Files			
pmk.py	54.2 KB	2022-12-23	CD BSP-杜磊
Copy_file.sh	17.7 KB	2022-12-23	CD BSP-杜磊
make_image.sh	3.1 KB	2022-12-23	CD BSP-杜磊
resc	13.1 KB	2022-12-23	CD BSP-杜磊
Figure_sdk_notes.txt	16.3 KB	2023-06-27	CD BSP-杜磊