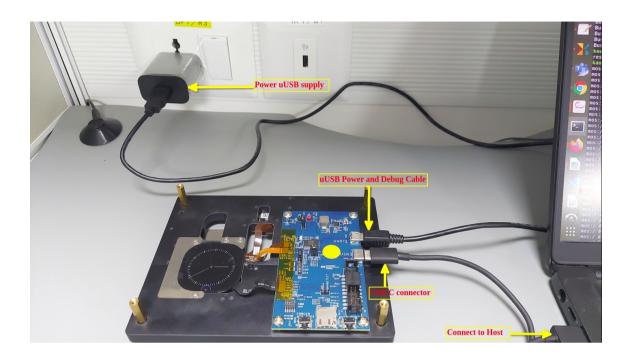
SOC IMPLEMENTATION



Startup Init Script:

/home/admin/mos/device/oculus/mos/rootdir/etc

Android services:

Facebook Service:

/home/admin/mos/frameworks/base/services/core/java/com/facebook/wearable

commandrouter service:

/home/admin/mos/vendor/oculus/software/services/commandrouter

sensor implemenation:

/home/admin/mos/vendor/oculus/sensorHal/

BLUECAPTURE UTILITY RUNNING

Step 1: Connect USB-Type-B with Power Socket and USB-Type-C to Host Machine and press power button to turn on the NED board

Step 2:get the adb of the Board using below commands.

\$sudo adb start-server \$adb devices \$adb root

\$adb shell

```
Kaushendra@AHMLPT1619:-$ adb devices
List of devices attached
a3340df0 device

Kaushendra@AHMLPT1619:-$ adb devices
List of devices attached
a3340df0 device

Kaushendra@AHMLPT1619:-$ adb devices
List of devices attached
a3340df0 device

Kaushendra@AHMLPT1619:-$ adb devices
List of devices attached
a3340df0 device

Kaushendra@AHMLPT1619:-$ adb root
restarting adb as root

Kaushendra@AHMLPT1619:-$ adb root

Kaushendra@AHMLPT1619:-$ adb shell
mos:/#
```

Step 3: Open another terminal to access bleucapture utility through adb using below command.

\$adb logcat -v color | grep -i bluecapture

Step 4: run the bluecapture utility on board for sensor data access as given below.

\$bluecapture -a -v

Usage: bluecapture
-a: start ALS streaming
-c: start ALT streaming
-v: print logging to console

```
kaushendra@AHMLPT1619:flash$ adb shell
mos:/ #
```

Step 5: Verified the Bluecapture logs using below command.

```
kaushedra@AHMLPT1619:FRLS adb logcat -v color | grep -i bluecapture |
86-30 16:57:53.942 893 893 D commandrouter: onFlatPipeConnect, socServiceName = bluecapture, pfd = 66
86-30 16:57:53.944 893 3756 D commandrouter: SocServiceHandle::onInitMessage, Soc Service = bluecapture, clientType = SUBSCRIPTION, appType = 1, name = msgs:sensors:Als
86-30 16:57:53.944 893 3756 D commandrouter: SocServiceHandle::onTopicMessage, Soc Service = bluecapture, appType = 1, type = TOPIC_START, seq = 0, payload.tsr = 0, payload.ts
```

Step 6: We found a warning displaying the mismatch of topics from SOC and MCU side.

```
19.30 15:39:32.428 572 3848 | Cameradar ages (passed passed passe
```

AUDIOCAPTURE UTILITY RUNNING

Step 1: we tried to run the audio-test using audiocapture utility

\$audiocapture

Usage: audiocapture

-s,--streaming: Enable streaming pin (0). streaming.wav

-e,--earcon: Enable earcon pin (1). earcon.wav

-m,--mic: Enable mic pin (2). mics.wav

-i,--loopback: Enable loopback pin (3). lpbk.wav

-p,--speaker: Enable speaker pin (4). speaker.wav

-b,--voip: Enable voip pin (5). voip.wav

-r,--videorecord: Enable videorecord pin (6). videorecord.wav

-a,--assistant : Enable assistant pin (7). assistant.wav

-t: time/duration in sec

-y : split channels, each channel is written to a separate ch_<name>.wav file

-l: Livingston Capture. Enables mic (CAPTURE) and speaker (RENDER/LOOPBACK) pins

-v : verbose message logs

\$audiocapture -m -v

```
255|mos:/ # audiocapture -m -v
D: Creating Subscriber for topic: stella:audio:mic:data
D: Sent MCU Info Request
D: Sent Mic Calibration Request
D: MCU Info Async Response Received
E: Unable to verify mcu info response
D: Mic Calib Async Response Received
E: Unable to verify mic calib response
```

Step 2: Verified the audiocapture logs using below command