

Flash the AWR1443BOOST with the ccsDebug image.

\$mmwave_sdk_01_00_00_05\packages\ti\utils\ccsdebug\xwr14xx_ccsdebug_mss.bin

SOP2 and SOP0 jumper connected on the AWR1443BOOST

Configured Device : Serial Connection > AWR1443 [\[download ccxml\]](#)

Cortex_R4_0 Disconnected: Halted

Program	Select and Load Images
Settings & Utilities	Flash Image(s)
Standalone Command Line	<input checked="" type="checkbox"/> Meta Image 1/RadarSS <input type="text" value="xwr14xx_ccsdebug_mss.bin"/> Size: 31.10 KB <input type="button" value="Browse"/> <input type="button" value="X"/>
	<input type="checkbox"/> Meta Image 2/MSS <input type="text"/> <input type="button" value="Browse"/>
	<input type="checkbox"/> Meta Image 3 <input type="text"/> <input type="button" value="Browse"/>
	<input type="checkbox"/> Meta Image 4 <input type="text"/> <input type="button" value="Browse"/>
	Available Action(s) - 1 Image Selected
	<input type="button" value="Load Image"/> Note: Please power cycle your device before loading images

Console

Verbose Clear Close

```
[10/17/2017, 10:51:57 AM] [INFO] Cortex_R4_0: Downloading [mss_build] size [31104]
[10/17/2017, 10:51:57 AM] [INFO] Cortex_R4_0: SUCCESS!! File type MSS_BUILD downloaded successfully to SFLASH.
[10/17/2017, 10:51:57 AM] [INFO] Cortex_R4_0: Downloading [CONFIG_INFO] size [164]
[10/17/2017, 10:51:58 AM] [INFO] Cortex_R4_0: SUCCESS!! File type CONFIG_INFO downloaded successfully to SFLASH.
[10/17/2017, 10:51:58 AM] [INFO] Cortex_R4_0: Disconnecting from device on COM port COM3...
[10/17/2017, 10:51:58 AM] [SUCCESS] Program Load completed successfully.
[10/17/2017, 10:51:58 AM] [INFO] Cortex_R4_0: Flashing instance clean-up initiated...
[10/17/2017, 10:51:58 AM] [INFO] Cortex_R4_0: Instance deinitialized!
```

After Flashing remove the SOP2 jumper.

Use CCS and Load the Capture demo binary. Attached below for reference.



```

xds110_DATAPATH.ccxml [Code Composer Studio - Device Debugging]
  Texas Instruments XDS110 USB Debug Probe_0/Cortex_R4_0 (Suspended - SW Breakpoint)
    main() at main.c:1,185 0x0000DA90
    _c_int00() at boot.asm:369 0x00017930 (the entry point was reached)
  Texas Instruments XDS110 USB Debug Probe_0/Cortex_R4_1 (Disconnected : Unknown)

```

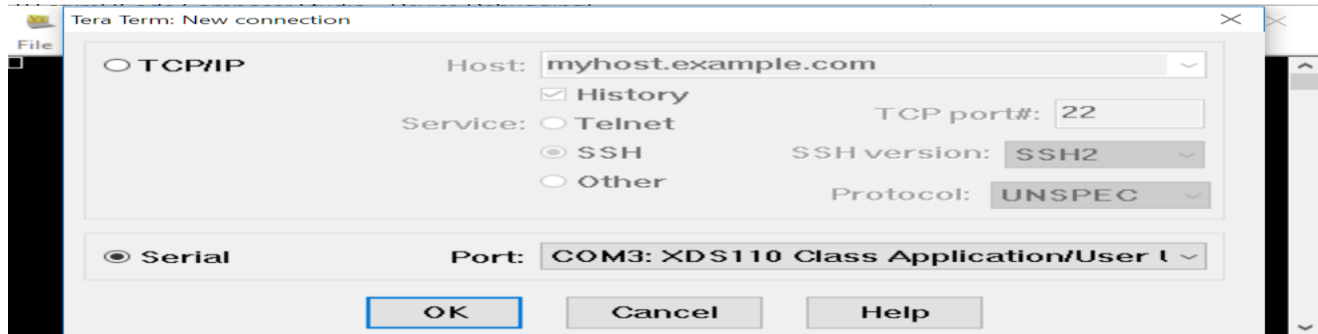
When you execute the binary, you will see the below logs in the CCS console.

```

xds110_DATAPATH.ccxml:CIO
*****
Debug: Launching the Capture Demo
*****
Debug: Launched the Initialization Task
Debug: UART Instance @0800ac70 has been opened successfully
Debug: UART Instance @0800ac7c has been opened successfully
Debug: EDMA Instance @0001db0c has been opened successfully
Debug: ADCBUF Instance(0) @0800ad50 has been opened successfully
Debug: DMA @08000d80 has been opened successfully
Debug: CSI Driver Initialization was successful [Handle 0x@08001758]
Debug: mmWave Control Initialization was successful
Debug: mmWave Control Synchronization was successful
Debug: CLI module has been opened successfully
Debug: Main Task [L3 Data Address: 0x51020000 Size: 261120 bytes]

```

Open teraterm “Application UART”



Hit Enter , you will see below prompt.

