RDK-B Raspberrypi - Host SetUp and Build Instructions

- Host Setup
- Yocto Build Steps
  - Build Steps
- Flashing Procedure

Host Setup

- For Host SetUp details refer this link **- How to Build#SettinguptheHostEnvironment**

Yocto Build Steps

To build, follow below instructions

Build Steps

```
$ mkdir <workspace dir>
$ cd <workspace dir>
$ repo init -u https://code.rdkcentral.com/r/manifests -b rdk-next -m rdkb-extsrc.xml
$ repo sync -j4 --no-clone-bundle
$ source meta-cmf-raspberrypi/setup-environment (Select option raspberrypi-rdk-broadband.conf)
$ bitbake rdk-generic-broadband-image
```

Note : On Successful build,The kernel Image and root filesystem will be created under the below path,

~/tmp/deploy/images/raspberrypi-rdk-broadband folder

Flashing Procedure

Following command can be used to flash the RPI image to sd card using linux machine . dd tool should be available in linux

```
sudo dd if=<path to ImageName.rpi-sdimg> of=<path to SD card space> bs=4M
Example:
$ sudo dd if=rdk-generic-broadband-image-raspberrypi-rdk-broadband.rpi-sdimg of=/dev/sdb bs=4M
```

https://www.balena.io/etcher/ can be used to flash RPI image in sd card using windows