

# RPI 4B model reference platform for RDKV

## Host setup:

Refer to the link for host setup details: [Host Setup](#)

## Repo setup:

### Repo setup

```
$ repo init -u https://code.rdkcentral.com/r/manifests -b dunfell -m rdkv-nosrc.xml
$ repo sync -j `nproc` --no-clone-bundle --no-tags
```

## Build Instructions:

### Media client

#### Image build

```
$ MACHINE=raspberrypi4-rdk-mc source meta-cmf-raspberrypi/setup-environment
$ bitbake rdk-generic-mediaclient-wpe-image
```

### Hybrid Gateway

#### Image build

```
$ MACHINE=raspberrypi4-rdk-hybrid source meta-cmf-raspberrypi/setup-environment
$ bitbake rdk-generic-hybrid-wpe-image
```

The generated image resides under the directory `build-<MACHINE>/tmp/deploy/images/<MACHINE>` of the Yocto workspace

## Flash Procedure

The micro SD card should not have any partition while flashing the image. The complete memory of the card should be free

### Flashing procedure

```
# of - output file (the device file for the inserted micro SD card

$ bzcat <IMAGE_NAME>-<MACHINE>.wic.bz2 | sudo dd of=/dev/sdb bs=4M iflag=fullblock oflag=direct conv=fsync
```

## Known Issues:


1.




[REFPLTV-1029](#) - Jira project doesn't exist or you don't have permission to view

it.


2.

 [REFPLTV-1030](#) - Jira project doesn't exist or you don't have permission to view it.


3.

 [REFPLTV-1031](#) - Jira project doesn't exist or you don't have permission to view it.


4.

 [REFPLTV-787](#) - Jira project doesn't exist or you don't have permission to view it.


5.

 [REFPLTV-937](#) - Jira project doesn't exist or you don't have permission to view it.

6.

 [REFPLTV-928](#) - Jira project doesn't exist or you don't have permission to view it.

7.

 [REFPLTV-1032](#) - Jira project doesn't exist or you don't have permission to view it.

**NOTE :** RPI4 support is enabled on dunfell with 32 bit Kernel.[[64 bit kernel migration is in progress](#)]