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]