# RDK-B 2.1-20161024

This is the summary page that describes the CMF RDK-B release 2.1-20161024.

Below are links to the relevant documents for the release.

- RDK-B\_2.1-20161024 Emulator Report (Gerrit)
- A detailed changelog since the last iteration (RDK-B\_2.1-20161010) can be found here (Gerrit).

For the Gerrit links, you need to log in before you will be able to see the contents.

The latest RDK-B release addresses licensing issues so users are advised to move to the latest release.

#### **Baseline**

Baseline	CMF-20161024	2016-10-24 baseline.
Post-baseline updates		
TDK	M40	https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01
Manifest	rdkb-2.1-20161024	

# Highlights since 2.1-20161010

- · New components: None.
- Components updated:
  - CcspCMAgent, CcspCommonLibrary, CcspCr, CcspDmCli, CcspHomeSecurity, CcspLMLite, CcspMisc, CcspPandM, CcspPsm, CcspSnmpPa, CcspTr069Pa, CcspWecbController, CcspWifiAgent, GwProvApp, TestAndDiagnostic, Utopia, hal, hotspot, webui, rdkbemu\_xb3.
- Patches updated: None.
- · Community contributions: None.

# Getting the code

```
$ mkdir rdkb
$ cd rdkb
```

\$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2.1-20161024 \$ repo sync -j4 --no-clone-bundle

- The -m rdkb.xml in the build sequence above is important. If this is not specified, you will get an RDK-V tree by default.
- The -b rdkb-2.1-20161024 in the build sequence above specifies the branch to use. If you omit the -b rdkb-2.1-20161024 entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the -b rdkb-2.1-20161024 option in the repo init command.
- We have verified that this iteration boots to a login prompt and that you can log in, and that you can connect with a web browser to the web admin page, but that is the extent of the testing at this time.

#### **Building the code**

- \$ source meta-cmf-rdkb-bsp-emulator/setup-environment (select qemux86broadband)
- \$ bitbake rdk-generic-broadband-image

The image path will be: build-qemux86broadband/tmp/deploy/images/qemux86broadband/rdk-generic-broadband-imageqemux86broadband.vmdk

#### **Building TDK**

Follow the steps as for a normal build, above, but use the following bitbake command:

\$ bitbake rdk-generic-broadband-tdk-image

The image path will be: build-qemux86broadband/tmp/deploy/images/qemux86broadband/rdk-generic-broadband-tdk-imageqemux86broadband.vmdk

TDK for RDK-B documentation is available: https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01

# Running the emulator

- 1. Start VirtualBox.
- 2. Click New -> Enter name -> Select type Linux -> Select version Other Linux (32 bit) -> Click Next
- 3. Select Memory size 512MB -> Click Next

- 4. Select option Use an existing virtual hard drive -> Select the built image above -> Click Create
- 5. Once the VM has been created, select the new image and click Settings -> Network -> Select Attached to: 'Bridged Adapter' ->
- 6. Click Start. This will bring up the emulator with the initial splash screen

# **Known Issues**

- TDK-296 Apparent tear down issue with some TDK-B Python scripts
   TDK-297 Known TDK-B Emulator setup issues (Port Forwarding and WiFi)
   TDK-298 Request WIFIAgent\_Set fails for RDK-B CMF Emulator testing