

# RDK-B\_2.1-20161219

This is the summary page that describes the CMF RDK-B release 2.1-20161219.

Below are links to the relevant documents for the release.

- [RDK-B\\_2.1-20161219 Emulator Report](#) (Gerrit)
- A detailed changelog since the last iteration ([RDK-B\\_2.1-20161205](#)) 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-20161219	2016-12-19 baseline.
Post-baseline updates		
TDK	M42	<a href="https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01">https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01</a>
Manifest	rdkb-2.1-20161219	

## Highlights since 2.1-20161205

- New components: rdkb/components/opensource/ccsp/servicemanager.
- Components updated:
  - CcspCommonLibrary, CcspLMLite, CcspPandM, CcspPsm, CcspSnmpPa, CcspWebcController, CcspWifiAgent, TestAndDiagnostic, Utopia, hal, halinterface, hotspot, webui, rdkb/devices/raspberrypi/hal, rdkb, rdkbemu\_xb3.
- Patches updated: None.
- Community contributions:
  - [7017 \(RDKCMF-5339\)](#) Corrections in wifi\_hal.c for some missing APIs.

## Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2.1-20161219
$ 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-2.1-20161219` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-2.1-20161219` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-2.1-20161219` 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-image-qemux86broadband.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-image-qemux86broadband.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' -> Click Ok
6. Click Start. This will bring up the emulator with the initial splash screen

## Known Issues

- [TDK-303](#) Configured SSID ignored by some TDK scripts
- [TDK-305](#) TCL test deletes client wifi profile without restoring it
- [TDK-308](#) RDK-B Emulator WiFi SSID change not reflected in network
- [TDK-309](#) WIFI Agent Factory Reset Fails w/ no logged failures
- [TDK-310](#) Several PAM tests fail on "Get Param Value"