

# 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	<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-2.1-20161024	

## Highlights since 2.1-20161010

- New components: None.
- Components updated:
  - CcspCMAgent, CcspCommonLibrary, CcspCr, CcspDmCli, CcspHomeSecurity, CcspLMLite, CcspMisc, CcspPandM, CcspPsm, CcspSnmpPa, CcspTr069Pa, CcspWebcController, 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-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-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