

# RDK-B\_20170313

This is the summary page that describes the CMF RDK-B iteration rdkb-20170313.

Below are links to the relevant documents for the release.

- [RDK-B 20170313 Emulator Report](#) (Gerrit)
- A detailed changelog since the last iteration ([RDK-B\\_20170227](#)) 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-20170313	2017-03-13 baseline.
Post-baseline updates		
TDK	M45	<a href="https://rdkwiki.com/rdk/display/TDK/TDK+Release+M45">https://rdkwiki.com/rdk/display/TDK/TDK+Release+M45</a>
Manifest	rdkb-20170313	

## Highlights since 20170227

- New components: None.
- Components updated:
  - rdkb/components/opensource/ccsp/CcspDmCli, rdkb/components/opensource/ccsp/CcspHomeSecurity, rdkb/components/opensource/ccsp/CcspMisc, rdkb/components/opensource/ccsp/CcspMoCA, rdkb/components/opensource/ccsp/CcspMtaAgent, rdkb/components/opensource/ccsp/CcspPandM, rdkb/components/opensource/ccsp/CcspTr069Pa, rdkb/components/opensource/ccsp/CcspWebController, rdkb/components/opensource/ccsp/GwProvApp, rdkb/components/opensource/ccsp/TestAndDiagnostic, rdkb/components/opensource/ccsp/Utopia, rdkb/components/opensource/ccsp/hal, rdkb/components/opensource/ccsp/halinterface, rdkb/components/opensource/ccsp/servicemanager, rdkb/components/opensource/ccsp/sysint, rdkb/components/opensource/ccsp/webui, rdkb/devices/raspberrypi/hal, rdkb/devices/rdkbemu/ccsp/rdkb.
- Patches updated: None.
- Community contributions:
  - [8186 \(RDKBCMF-56\)](#) :Wifi Status is not reflecting on WebUI
  - ~~[7885 RDKB-148](#) : Parental Control - Block/Allow Device based on Time Not Working For IPv6~~
  - [7556 \(RDKBCMF-43\)](#) : Managed Service validation is getting failed on webUI in case of protocol: TCP/UDP
  - [7536 \(RDKBCMF-42\)](#) : Remove Docsis Dependencies from GwProvApp for RaspberryPi Platform
  - [7666 \(RDKCMF-6316\)](#) : To add [README.md](#) and doxygen comments in ccsp WebUI component
  - [8151](#) Remove unpinning override for WPE
  - [8145 \(RDKBCMF-54\)](#) : hostapd is not starting in case of dual band and impacting LAN functionality once restarted in single as well as dual band.

## Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170313
$ 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-20170313 in the build sequence above specifies the branch to use. If you omit the -b rdkb-20170313 entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the -b rdkb-20170313 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.

## 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+Release+M45>

## 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

- RDK-B test results do not include the RDK-B TCL tests as they are not currently run.
- [TDK-312](#) RDK-B TCL test retrieves wrong IP
- [TDK-331](#) RDK-B SNMP-PA Test Failures snmp commands not found