

# RDK-B\_2017Q1

This is the summary page that describes the CMF RDK-B release rdkb-2017q1.

Below are links to the relevant documents for the release.

- [RDK-B 2017q1 Emulator Report](#) (Gerrit)
- A detailed changelog since the last release ([RDK-B\\_20170327](#)) can be found [here](#) (Gerrit).

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

## Baseline

Baseline	CMF-20170330	2017-03-30 baseline.
Post-baseline updates		
TDK	M45	<a href="https://wiki.rdkcentral.com//display/TKD/TKD+Release+M45">https://wiki.rdkcentral.com//display/TKD/TKD+Release+M45</a>
Manifest	rdkb-2017q1	

## Highlights since previous release

- This is the first RDK-B quarterly release.

## Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2017q1
$ 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-2017q1` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-2017q1` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-2017q1` 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 qemu86broadband)
$ bitbake rdk-generic-broadband-image
```

The image path will be: `build-qemu86broadband/tmp/deploy/images/qemu86broadband/rdk-generic-broadband-image-qemu86broadband.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-qemu86broadband/tmp/deploy/images/qemu86broadband/rdk-generic-broadband-tdk-image-qemu86broadband.vmdk`

TDK for RDK-B documentation is available: <https://wiki.rdkcentral.com//display/TKD/TKD+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