

RDK-B_20170327

This is the summary page that describes the CMF RDK-B iteration rdkb-20170327.

Below are links to the relevant documents for the release.

- [RDK-B 20170327 Emulator Report](#) (Gerrit)
- A detailed changelog since the last iteration ([RDK-B_20170313](#)) 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-20170327	2017-03-27 baseline.
Post-baseline updates		
TDK	M45	https://wiki.rdkcentral.com//display/TK/TK+Release+M45
Manifest	rdkb-20170327	

Highlights since 20170313

- New components:
 - rdkb/components/opensource/ccsp/PowerManager
 - rdkb/components/opensource/ccsp/FirmwareSanity.
- Components updated:
 - rdkb/devices/raspberrypi/hal, rdkb/components/opensource/ccsp/hal, rdkb/components/opensource/ccsp/halinterface, rdkb/components/opensource/ccsp/sysint, rdkb/components/generic/rdk_logger, rdkb/components/opensource/ccsp/CcspCMAgent, rdkb/components/opensource/ccsp/CcspCommonLibrary, rdkb/components/opensource/ccsp/CcspLMLite, rdkb/components/opensource/ccsp/CcspMoCA, rdkb/components/opensource/ccsp/CcspPandM, rdkb/components/opensource/ccsp/CcspPsm, rdkb/components/opensource/ccsp/CcspSnmpPa, rdkb/components/opensource/ccsp/CcspWifiAgent, rdkb/components/opensource/ccsp/Utopia, rdkb/components/opensource/ccsp/webui.
- Patches updated: None.
- Community contributions:
 - Please refer to the changelog since the last iteration ([RDK-B_20170313](#)) [here](#) (Gerrit).

Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170327
$ 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-20170327` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-20170327` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-20170327` 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://wiki.rdkcentral.com//display/TK/TK+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