

RDK-B_20170410

This is the summary page that describes the CMF RDK-B iteration rdkb-20170410.

Below are links to the relevant documents for the release.

- [RDK-B 20170410 Emulator Report](#) (Gerrit)
- A detailed changelog since the last iteration ([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.

The latest RDK-B release addresses licensing issues so users are advised to move to the latest release.

Baseline

Baseline	CMF-20170410	2017-04-10 baseline.
Post-baseline updates		
TDK	M46	https://wiki.rdkcentral.com//display/TK/TK+Release+M46
Manifest	rdkb-20170410	

Highlights since 20170327

- New components: None
- Components updated:
 - rdk/components/generic/crashupload, rdkb/components/opensource/ccsp/CcspCMAgent, rdkb/components/opensource/ccsp/CcspCommonLibrary, rdkb/components/opensource/ccsp/CcspLMLite, rdkb/components/opensource/ccsp/CcspMoCA, rdkb/components/opensource/ccsp/CcspMtaAgent, rdkb/components/opensource/ccsp/CcspPandM, rdkb/components/opensource/ccsp/CcspPsm, rdkb/components/opensource/ccsp/CcspWifiAgent, rdkb/components/opensource/ccsp/GwProvApp, rdkb/components/opensource/ccsp/GwProvApp-ePON, rdkb/components/opensource/ccsp/TestAndDiagnostic, rdkb/components/opensource/ccsp/Utopia, rdkb/components/opensource/ccsp/halinterface, rdkb/components/opensource/ccsp/sysint, rdkb/components/opensource/ccsp/utilities, rdkb/components/opensource/ccsp/webui, rdkb/devices/rdkbemu/ccsp/rdkb.
- Patches updated: None.
- Community contributions:
 - Please refer to the changelog since the last iteration ([RDK-B_20170327](#)) [here](#) (Gerrit).
 - [8169 \(RDKBCMF-55\)](#) : CcspLMLite memory corruption issue

Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170410
$ 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-20170410` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-20170410` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-20170410` 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+M46>

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

- Supported TCL tests for emulator are marked as SKIPPED as they are currently not included in the release test run
- [TDK-336](#) - Port forwarding and port triggering test cases in Advanced Config cause PAM process to crash
 - Due to this issue a set of the Advanced Config tests are marked as SKIPPED
 - RDKBEMU-389 raised on emulator
- [TDK-339](#) - RDK-B Emulator - Several PAM and other scripts failing during automated test run due to CcspPandMSsp not found
 - TS_PAM_GetUpTime_AfterReboot is SKIPPED in the release test run, as issue only occurred after reboot during this test, under investigation
- [TDK-341](#) - RDK-B Emulator TS_PAM_IpIfMaxMTUSize fails on CMF image
 - RDKBEMU-406 raised on emulator
- [TDK-342](#) - RDK-B Emulator SNMP Tests - No Such Instance currently exists at this OID
- [TDK-343](#) - RDK-B Emulator SNMP Test Failures on SNMP set
- [TDK-344](#) - RDK-B Emulator TS_TAD traceroute test failures on CMF image
- [TDK-346](#) - RDK-B Emulator Couple of PAM tests fail trying to retrieve eRT device info
 - Box Type for Emulator was set incorrectly in TDK manager