

RDK-B_20170424

This is the summary page that describes the CMF RDK-B iteration rdkb-20170424.

Below are links to the relevant documents for the release.

- [RDK-B 20170424 Emulator Test Report](#) (Gerrit)
- [RDK-B 20170424 RaspberryPi Test Report](#) (Gerrit)
- A detailed changelog since the last iteration ([RDK-B_20170410](#)) 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-20170424	2017-04-24 baseline.
Post-baseline updates		
TDK	M46	https://wiki.rdkcentral.com//display/TDK/TDK+Release+M46
Manifest	rdkb-20170424	

Highlights since 20170410

- New components: None
- Components updated:
 - CcspCommonLibrary, CcspDmCli, CcspHomeSecurity, CcspLMLite, CcspMoCA, CcspPandM, CcspPsm, CcspSnmpPa, CcspWifiAgent, FirmwareSanity, GwProvApp, TestAndDiagnostic, Utopia, sysint, webui, hal.
- Patches updated: None.
- Community contributions:
 - Please refer to the changelog since the last iteration ([RDK-B_20170410](#)) [here](#) (Gerrit).

Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170424
$ 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-20170424` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-20170424` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-20170424` 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 emulator

```
$ 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`

To build 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/TDK/TDK+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

Building for RaspberryPi

```
$ mkdir <workspace dir>
$ cd <workspace dir>
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170424-rpi
$ repo sync -j4 --no-clone-bundle
$ source meta-cmf-raspberrypi/setup-environment
```

Select option raspberrypi-rdk-broadband.conf

```
$ bitbake rdk-generic-broadband-image
```

Note. The kernel image and root filesystem will be created under the `./tmp/deploy/images/raspberrypi-rdk-broadband` folder

Documentation for RDK-B for RaspberryPi is available here: <https://rdkwiki.com/rdk/display/DEVTOOLS/RDK+Broadband+%28RaspberryPi%29+-Krogoth>

Running on the RaspberryPi

Please see [RDK Broadband \(RaspberryPi\) -Krogoth](#).

Known Issues

- Not all supported TCL tests for emulator are run, those not yet proven in the CMF environment are marked as SKIPPED
- No TCL tests for RPI are currently included in the CMF iteration 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_IplfMaxMTUSize fails on CMF image
 - RDKBEMU-406 raised on emulator
- [TDK-342](#) - RDK-B Emulator SNMP Tests - No Such Instance currently exists at this OID
 - TS_SNMP_Get2.4SSIDWithDisabledXfinityWifi tests fails in automated run but passes in manual run under investigation
- [TDK-349](#) - Track failure of TS_COSAPAM_MlanHomeSecurityBridge
 - fails in automated run but passes in manual run under investigation
- [TDK-344](#) - RDK-B Emulator TS_TAD traceroute test failures on CMF image
 - TS_TAD_Traceroute test fail in CMF environment due to some security restrictions with test setup
- [TDK-348](#) - TDK-B RPI RDK Logger Tests Failing
- [TDK-347](#) - TDK-B RPI TS_PAM_GetCurrentLocalTime Fails