

RDK-B_20170508

This is the summary page that describes the CMF RDK-B iteration rdkb-20170508.

Below are links to the relevant documents for the release.

- [RDK-B 20170508 Emulator Test Report](#) (Gerrit)
- [RDK-B 20170508 RaspberryPi Test Report](#) (Gerrit)
- A detailed changelog since the last iteration ([RDK-B_20170424](#)) 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-20170508	2017-05-08 baseline.
Post-baseline updates		
TDK	M47	https://wiki.rdkcentral.com//display/TKD/TKD+Release+M47
Manifest	rdkb-20170508	

Highlights since 20170424

- New components: None
- Components updated:
 - crashupload, CcspCommonLibrary, CcspLMLite, CcspMoCA, CcspPandM, CcspPsm, CcspSnmpPa, CcspTr069Pa, CcspWifiAgent, TestAndDiagnostic, Utopia, hal, sysint, webui, hal, rdkb, rdkbemu_xb3, rdkb/devices/raspberrypi/hal.
- Patches updated: None.
- Community contributions:
 - Please refer to the changelog since the last iteration ([RDK-B_20170424](#)) [here](#) (Gerrit).
 - [9002 RPI-3](#): [RPI][Broadband] Fails to enable the SSH with TR-181 parameter Device.X_CISCO_COM_DeviceControl.SSHEnable

Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170508
$ 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-20170508` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-20170508` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-20170508` 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/TKD/TKD+Release+M47>

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-20170508-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

- TCL tests not run for RPI or Emulator, TCL scripts and script execution will be resumed once the scripts are stabilized.
- RDKBEMU-436 - PAM Randomly the advance config scripts is causing the PAM process to crash or go to a deadlock state
 - Some of the advanced config scripts are causing the PAM process to deadlock or crash. A reboot is required to recover, this issue caused a regression in a number of tests.
- [TDK-355](#) - RDK-B TS_SNMP "no such object at this OID issue" failures due to snmp_subagent.service failing
 - snmp_subagent service is not running. Because of this the communication between ccsp-snmp-subagent and NET SNMP agent is broken and any SNMP scripts queries to the OIDs in range .1.3.6.1.4.1.17270.44.1.2.1 fail
- RDKBEMU-418: Ping to outside world not working with specific emulator Network configuration.
- TDKB-29 - TS_SNMP_Get2.4SSIDWithDisabledXfinityWifi is causing the other SNMP scripts to fail. This test case is skipped in Emulator.
- [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
 - TS_SNMP_Get2.4SSIDWithDisabledXfinityWifi tests 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
- [RPI-2](#) - Value of Device.WiFi.Radio.2.AutoChannelEnable is getting changed to "false" when Device.WiFi.Radio.2.X_CISCO_COM_ApplySetting is applied
- [RPI-7](#) - Randomly observing boot up issue in RaspberryPi broadband
- [RPI-19](#) - TFTP log transfer is not happening with the erouter0 interface
- [RPI-21](#) - DNS Client Allows to set value for Device.DNS.Client.Server.1.DNSServer even if the Device.DNS.Client.Server.1.Type is not Static
- [RPI-22](#) - Setting the security mode as WPAWPA2-PSK (TKIP/AES) is making the WIFI client to connect to the SSID with the Authentication Mode as "WPA-Personal" instead of "WPA2-Personal"