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
```

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_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
 - o TS_SNMP_Get2.4SSIDWithDisabledXfinityWifi tests fails in automated run but passes in manual run under investigation
- TDK-349 Track failure of TS_COSAPAM_MlanHomeSecurityBridge
 - o 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 evironement due to some security restrictions with test setup
- TDK-348 TDK-B RPI RDK Logger Tests Failiing
- TDK-347 TDK-B RPI TS_PAM_GetCurrentLocalTime Fails