RDK-B 2.1-20161205

This is the summary page that describes the CMF RDK-B release 2.1-20161205.

Below are links to the relevant documents for the release.

- RDK-B_2.1-20161205 Emulator Report (Gerrit)
- A detailed changelog since the last iteration (RDK-B_2.1-20161121) 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-20161205	2016-12-05 baseline.
Post-baseline updates		
TDK	M42	https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01
Manifest	rdkb-2.1-20161205	

Highlights since 2.1-20161121

- · New components: rdkb/devices/raspberrypi/hal.
- Components updated:
 - CcspCMAgent, CcspCommonLibrary, CcspLMLite, CcspMisc, CcspPandM, CcspPsm, CcspWecbController, CcspWifiAgent, GwProvApp-ePON, TestAndDiagnostic, Utopia, hal, halinterface, standalone, utilities, webui, rdkb, rdkbemu_xb3.
- · Patches updated: None.
- · Community contributions: None.

Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2.1-20161205
$ 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-2.1-20161205 in the build sequence above specifies the branch to use. If you omit the -b rdkb-2.1-20161205 entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the -b rdkb-2.1-20161205 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, but that is the extent of the testing at this time.

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-gemux86broadband.ymdk

TDK for RDK-B documentation is available: https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01

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' ->
- 6. Click Start. This will bring up the emulator with the initial splash screen

Known Issues

- TDK-302 Undocumented TDK (TCL script) run-time config changes on target device

- TDK-303 Configured SSID ignored by some TDK scripts
 TDK-305 TCL test deletes client wifi profile without restoring it
 TDK-308 RDK-B Emulator WiFi SSID change not reflected in network
- TDK-309 WIFI Agent Factory Reset Fails w/ no logged failures
 TDK-310 Several PAM tests fail on "Get Param Value"