RDK-B_2.1-20161121

This is the summary page that describes the CMF RDK-B release 2.1-20161121.

Below are links to the relevant documents for the release.

- RDK-B_2.1-20161121 Emulator Report (Gerrit)
- A detailed changelog since the last iteration (RDK-B_2.1-20161107) 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-20161121	2016-11-21 baseline.
Post-baseline updates		
TDK	M41	https://rdkwiki.com/rdk/display/TDK/TDK-B+Release+01
Manifest	rdkb-2.1-20161121	

Highlights since 2.1-20161107

- New components: CcspEPONAgent, CcspMoCA, CcspSafeNAT, halinterface, GwProvApp-ePON.
- Components updated:
  - CcspCMAgent, CcspCommonLibrary, CcspCr, CcspLMLite, CcspMisc, CcspPandM, CcspPsm, CcspSnmpPa, CcspWifiAgent, GwProvApp, RebootManager, TestAndDiagnostic, Utopia, hal, hotspot, 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-2.1-20161121
$ 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-2.1-20161121` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-2.1-20161121` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-2.1-20161121` 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-qemux86broadband.vmdk`

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

Known Issues

- TDK-301 TDK Manager device status occasionally out of sync
- TDK-302 Undocumented TDK (TCL script) run-time config changes on target device
- TDK-303 Configured SSID ignored by some TDK scripts
- TDK-304 PAM Component test script tear down issue
- TDK-305 TCL test deletes client wifi profile without restoring it
- TDK-308 RDK-B Emulator WiFi SSID change not reflected in network