# RDK-B_20170130

This is the summary page that describes the CMF RDK-B iteration rdkb-20170130.

Below are links to the relevant documents for the release.

- RDK-B 20170130 Emulator Report (Gerrit)
- A detailed changelog since the last iteration (RDK-B_20170116) 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-20170130 | 2017-01-30 baseline. |
| Post-baseline updates | | |
| TDK | M43 | https://rdkwiki.com/rdk/display/TDK/TDK+Release+M43 |
| Manifest | rdkb-20170130 | |

## Highlights since 20170116

- New components: None.
- Components updated:
  - CcspCommonLibrary, CcspLMLite, CcspMoCA, CcspMtaAgent, CcspPandM, CcspTr069Pa, CcspWifiAgent, TestAndDiagnostic, Utopia, hal, sysint, webui.
- Patches updated: None.
- Community contributions:
  - 6528 RDKCOM-35 Enabling Lan/Wan connectivity for Raspberry Pi platform.

## Getting the code

```
$ mkdir rdkb
$ cd rdkb
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-20170130
$ 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-20170130` in the build sequence above specifies the branch to use. If you omit the `-b rdkb-20170130` entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the `-b rdkb-20170130` 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 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+Release+M43

## 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-312 RDK-B TCL test retrieves wrong IP
- TDK-309 RDK-B WIFI Agent Factory Reset test fails with no logged failures
- TDK-313 RDK-B PAM tests fail after CcspPandMSsp process dies