RDK-B_2021q2

This is the summary page that describes CMF quarterly release rdkb-2021q2, based on the new branch rdk-next and yocto project version morty. Below are links to the relevant documents.

Note: The master branch has been deprecated in select community repositories and rdk-next is now the lead development branch.

Note: The latest rdkb quarterly release addresses licensing issues so users are advised to move to the latest iteration.

- rdkb-2021q2 RaspberryPi Test Report (Gerrit)
- rdkb-2021q2 CD Router Test Report

Note: For the Gerrit links, you need to log in before you will be able to see the contents.

A detailed changelog since the last release rdkb-2021q1 can be found here.

Baseline

Baseline Branch	nightly/20210610
Post-baseline updates	NA
TDK	M88
Manifest	rdkb-2021q2

Highlights

Components updated

rbus
rbuscore
crashupload
dca
jst
libunpriv
lxc-container-generator
rdk_logger
rfc
telemetry
xupnp
rdk/components/opensource/rtmessage
rdkb/components/generic/CcspLogAgent
rdkb/components/generic/harvester

rdkb/components/generic/mtu_modifier
rdkb/components/generic/notify_comp
rdkb/components/generic/startParodus
CcspCMAgent
CcspCommonLibrary
CcspEthAgent
CcspLMLite
CcspMisc
CcspMoCA
CcspMtaAgent
CcspPandM
CcspPsm
CcspSnmpPa
CcspTr069Pa
CcspWifiAgent
CcspXDNS
GwProvApp
GwProvApp-EthWan
GwProvApp-ePON
MeshAgent
PowerManager
TestAndDiagnostic
Utopia
Xconf
hal
halinterface
hotspot
sysint
webui
webui-bwg
rdkb/devices/emulator/hal
rdkb/devices/raspberrypi/hal
rdkb/devices/raspberrypi/sysint
rdkb/devices/rdkbemu/rdkbemu_xb3

Patches

Separate patch files for the open-source OE layers are no longer maintained. Instead, mirrors of the OE layers used by RDK are maintained at CMF, containing rdk branches that contain the patches already applied. The RDK build scripts and recipes now all use these instead of the previous patches.

Community contributions

A detailed changelog since the last release rdkb-2021q1 can be found here.

Getting the code

Note: The manifests repository is only available to RDK licensees.

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2021q2

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-2021q2 in the build sequence above specifies the branch to use.
- If you omit the -b rdkb-2021q2 entirely, you will get the HEAD of each component

Building the code

Building for RaspberryPi

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b rdkb-2021q2

repo sync -j4 --no-clone-bundle

source meta-cmf-raspberrypi/setup-environment

# Select option raspberrypi-rdk-broadband.conf
bitbake rdk-generic-broadband-image

# To build TDK image
bitbake rdk-generic-broadband-tdk-image
```

- Note. The kernel Image and root filesystem will be created under the ./tmp/deploy/images/raspberrypi-rdk-broadband folder

Documentation

Documentation on the RDK-B reference platforms including host requirement setup and flashing instructions are available from the following links:

[RDK Reference Platforms](#)

[RDK-B (RaspberryPi)](#)

[RDK-B R-Pi Yocto 2.2 - Morty](#)

For all other RDK documentation please refer to the RDK wiki at https://wiki.rdkcentral.com/

Testing

Sanity Testing

Sanity tests include:

- Services checks (wifiagent, hostapd, ..)
- Network (WAN) connectivity
- Wifi 2.4Ghz and 5Ghz hotspot testing.
- Login, menu navigation, parameter modification, e.g. Wifi SSID/password change and re-connection, changing admin password.

TDK Testing

- TDK component tests were run against the release, results are available here.
- TDK Test Lists were based on TDK M88 Release

Issues

Details of defects fixed since last quarterly release, new defects since last release and current open defects on the release date (20210625) can be found here:

rdkb-2021q2-issues.xlsx