

RDKB_2021q2_dunfell

This is the summary page that describes CMF quarterly release rdkb-2021q2-dunfell, based on the new branch rdk-next and dunfell oe layers. 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-dunfell RaspberryPi Test Report](#) (Gerrit)
- [rdkb-2021q2-dunfell Turris Gateway Test Report](#) (Gerrit)

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-dunfell](#) can be found [here](#).

- [Baseline](#)
- [Highlights](#)
 - [Components updated](#)
 - [Patches](#)
 - [Community contributions](#)
- [Getting the code](#)
- [Building the code](#)
 - [Building for RaspberryPi](#)
 - [Building for Turris](#)
- [Documentation](#)
- [Testing](#)
 - [Sanity Testing](#)
 - [TDK Testing](#)
- [Issues](#)

Baseline

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

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/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Separate patch files for the open-source OE layers are no longer maintained.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-dunfell](#) can be found [here](#).

Getting the code

Note:

- The manifests repository is only available to RDK licensees.
- Opensource versions of the RDKB manifests are available from the [rdkcmf/manifests repository](#) `rdkb-2021q2-dunfell` branch

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m <manifest.xml> -b rdkb-2021q2-dunfell

repo sync -j4 --no-clone-bundle
```

- The `-m <manifest.xml>` in the sequence above is important. If this is not specified, you will get an RDK-V tree by default.
 - For RPI builds use manifest: `rdkb-extsrc.xml`

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

- For Turris builds use manifest: `rdkb-turris-extsrc.xml`

```
repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkb-turris-extsrc.xml -b rdkb-2021q2-dunfell
```

- The `-b rdkb-2021q2-dunfell` in the build sequence above specifies the branch to use.
- If you omit the `-b rdkb-2021q2-dunfell` entirely, you will get the HEAD of each component
- nosrc versions of the manifests also exist

Building the code

Building for RaspberryPi

```
mkdir <workspace dir>

cd <workspace dir>

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

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

Building for Turris

```
mkdir <workspace dir>

cd <workspace dir>

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

repo sync -j4 --no-clone-bundle

MACHINE=turris source meta-turris/setup-environment

bitbake rdk-generic-broadband-image

# To build TDK image

bitbake rdk-generic-broadband-tdk-image
```

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 3.1 - Dunfell](#)

[RDK-B Turris](#)

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

Testing

Sanity Testing

RPI 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.

Turris Sanity test include:

- Services checks (wifiagent, hostapd, ..)
- Network (WAN) connectivity
- Wifi 2.4Ghz and 5Ghz hotspot testing.
- LAN client
- Admin WEBUI works over <router IP>:8080

TDK Testing

- TDK component tests were run against the release
 - RPI results are available [here](#).
 - Turris results are available [here](#).
- TDK Test Lists were based on [TDK M88 Release](#)
- Refer to the [test release metrics](#) page for detailed test results and comparison to previous releases (*available for ASP members only*)

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