

RDKB_2021q3_dunfell

This is the summary page that describes CMF quarterly release rdkb-2021q3-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-2021q3-dunfell RaspberryPi Test Report](#) (Gerrit)
- [rdkb-2021q3-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-2021q2-dunfell](#) can be found [here](#).

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Baseline

Baseline Branch	nightly/20210911-dunfell
Post-baseline updates	NA
TDK	M92
Manifest	rdkb-2021q3-dunfell

Highlights

Components updated

rbus	CcspAdvSecurity	RdkGponManager
rbuscore	CcspCMAgent	TestAndDiagnostic
breakpad_wrapper	CcspCommonLibrary	Utopia
crashupload	CcspCr	Xconf
dca	CcspDmCli	hal
jst	CcspEthAgent	halinterface
libSyscallWrapper	CcspHomeSecurity	hotspot
libunpriv	CcspLMLite	sysint
lxc-container-generator	CcspMisc	webui
rdk_logger	CcspMoCA	webui-bwg

rdm	CcspMtaAgent	rdkb/devices/raspberrypi/hal
rfc	CcspPandM	rdkb/devices/raspberrypi/sysint
telemetry	CcspPsm	rdkb/devices/rdkbemu/ccsp/rdkb
xupnp	CcspSnpPa	
rdk/components/opensource/rtrmessage	CcspTr069Pa	
rdkb/components/generic/CcspLogAgent	CcspWifiAgent	
rdkb/components/generic/harvester	CcspXDNS	
rdkb/components/generic/notify_comp	GwProvApp	
rdkb/components/generic/startParodus	GwProvApp-EthWan	
MeshAgent	GwProvApp-ePON	

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Separate patch files for the open-source OE layers are no longer maintained.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-2021q2-dunfell](#) can be found [here](#).

Getting the code

Note:

- *The manifests repository is only available to RDK licensees.*
- *Open-source versions of the RDKB manifests are available from the [rdkcmf/manifests repository](#) [rdkb-2021q3-dunfell](#) branch*

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m <manifest.xml> -b rdkb-2021q3-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-2021q3-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-2021q3-dunfell
```

- The -b rdkb-2021q3-dunfell in the build sequence above specifies the branch to use.
- If you omit the -b rdkb-2021q3-dunfell 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/rdkcmf/manifests -m rdkb-extsrc.xml -b rdkb-2021q3-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 GW

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkb-turris-extsrc.xml -b rdkb-2021q3-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
```

Building for Turris Extender

```
mkdir <workspace dir>

cd <workspace dir>

repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkb-turris-pod-extsrc.xml -b rdkb-2021q3-dunfell

repo sync -j4 --no-clone-bundle

MACHINE=turris-extender source meta-turris/setup-environment

bitbake rdk-generic-extender-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
- Extender Plume NOC Connectivity

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 M92 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-2021q3-dunfell-issues.xlsx