

rdkv-2022q1 morty & dunfell IP Client

This is the summary page that describes CMF morty and dunfell quarterly releases **rdkv-2022q1** (morty) and **rdkv-2021q1-dunfell** (dunfell) for the opensource IP Client STB profile based on RPi platform.

This release is based on the branch rdk-next and yocto project versions **morty** (rdkv-2022q1) and **dunfell** (rdkv-2022q1-dunfell).

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

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Baseline

rdkv-2022q1

Baseline Morty	nightly/20220305
Manifest Branch Morty	rdkv-2022q1

rdkv-2022q1-dunfell

Baseline Dunfell	nightly/20220305-dunfell
Manifest Branch Dunfell	rdkv-2022q1-dunfell

Highlights

Components updated since 2021 Q4

aamp	jst	rbuscore	v4l2test
aampmetrics	ledmgr	RDK_apps	waymetric
audiocapturemgr	libunpriv	rdk_logger	westeros
blercudaemon	mediaframework	rdk/components/opensource/gstreamer-direct-platform	wifi
bluetooth	meta-cmf	rdk/components/opensource/rtnetlink	xr-speech-router
bluetooth_mgr	meta-cmf-raspberrypi	rdk/components/opensource/sysint	xr-speech-vrex
breakpad_wrapper	meta-cmf-restricted	rdk/devices/raspberrypi/devicesettings	xradio
closedcaption	meta-cmf-video	rdk/devices/raspberrypi/webpa-client	xupnp
cobalt	meta-cmf-video-reference	rdk/devices/raspberrypi/wifi	
control	meta-cmf-video-reference-next	rdk/tools/tdk	
crashupload	meta-cmf-video-restricted	rdkbrowser2	
dcm	meta-rdk	rfs	
devicesettings	meta-rdk-asf	servicemanager	
fog	meta-rdk-bsp-emulator	storagemanager	
gst_svp_ext	meta-rdk-ext	telemetry	
gst-plugins-rdk-aamp	meta-rdk-restricted	tools/tdk-advanced	

hwselftest	meta-rdk-video	tr69	
iarmbus	netmonitor	tr69hostif	
iarmmgrs	netsrvmgr	trm	
injectedbundle	rbus	ttsengine	

Community contributions

- *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 **morty** release [rdkv-2021q4](#) can be found [here](#).
- A detailed changelog since the last **dunfell** release [rdkv-2021q4-dunfell](#) can be found [here](#).

Getting the code

*Note: The **rdkcmf/manifests** repository <https://code.rdkcentral.com/r/rdkcmf/manifests> is opensource and can be used to build the IP Client RPi Profile.*

Building for RaspberryPi IP Client

```
mkdir <workspace dir>
cd <workspace dir>

# <release manifest branch> is rdkv-2022q1 for morty and rdkv-2021q1-dunfell for dunfell
repo init -u https://code.rdkcentral.com/r/rdkcmf/manifests -m rdkv-extsrc.xml -b <release manifest branch>
repo sync -j4 --no-clone-bundle

MACHINE=raspberrypi-rdk-ipmc source meta-cmf-raspberrypi/setup-environment

bitbake rdk-generic-ipclient-image
```

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

Documentation

[RDK Reference Platforms](#)

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

[RDK-V R-Pi Yocto 3.1 - Dunfell](#)

[IP Client Based STB \(Raspberry Pi\)](#)

[RDK Services on Raspberrypi](#)

[RDK Services on RPi User Manual](#)

Testing

Sanity Testing

Sanity tests include:

- Playing video from local source using `gst-play`.
- Streaming from hybrid to media client using `rmfApp`.
- Playing video using `gstplayer` (`gst-launch`).
- Playing video using `aamp-cli`
- RDK Resident App Verification
- Controller UI Verification
- Wifi
- Bluetooth remote