

rdkv-2022q2 morty & dunfell IP Client

This is the summary page that describes CMF morty and dunfell quarterly releases **rdkv-2022q2** (morty) and **rdkv-2021q2-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-2022q2) and **dunfell** (rdkv-2022q2-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-2022q2

Baseline Morty	nightly/20220316
Manifest Branch Morty	rdkv-2022q2

rdkv-2022q2-dunfell

Baseline Dunfell	nightly/20220316-dunfell
Manifest Branch Dunfell	rdkv-2022q2-dunfell

Highlights

Components updated since 2022 Q1

meta-rdk-bsp-emulator	rbus	crashupload	meta-rdk-voice	rdk/components/opensource/rtnmessage
closedcaption	rbuscore	dca	meta-rdk-voice-sdk	rdk/components/opensource/sysint
fog	rpcserver	devicesettings	rdk_logger	rdk/devices/raspberrypi/devicesettings
gststreamer-cxx	westeros	dtv-testapp	rdkmediaplayer	rdk/devices/raspberrypi/wifi
meta-cmf-96boards	meta-cmf-restricted	gst-plugins-rdk	rdkversion	rdk/tools/tdk
meta-cmf-ci20	meta-rdk-restricted	gst-plugins-rdk-aamp	rdm	rdkv/tools/tdkv
meta-cmf-raspberrypi-restricted	devices/intel-x86-pc/rdkri/mediaframework	hdmicec	rfc	tools/tdk-advanced
meta-cmf-video	aamp	iarmmgrs	rmf_mediatreamer	
meta-cmf-video-reference	aampabr	jst	servicemanager	
meta-cmf-video-reference-next	aampmetrics	libSyscallWrapper	telemetry	
meta-cmf-video-restricted	appmanager	libunpriv	tr69hostif	

meta-dvb	blercudaemon	lxc-container-generator	wifi	
recorder	bluetooth	netmonitor	xr-speech-router	
sessionmgr	bluetooth_leAppMgr	netservermgr	xr-speech-vrex	
subtec-app	bluetooth_mgr	meta-cmf	xraudio	
websocket-ipplayer2	breakpad_wrapper	meta-cmf-raspberrypi	xraudio-hal_ctrlm	
websocket-ipplayer2-api	cobalt	meta-rdk	xraudio-opus	
websocket-ipplayer2-utils	control	meta-rdk-ext	xupnp	
RDK_apps	cpuprofanalyzer	meta-rdk-video	rdk/components/opensource/gstreamer-direct-platform	

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-2022q1](#) can be found [here](#).
- A detailed changelog since the last **dunfell** release [rdkv-2022q1-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-2022q2 for morty and rdkv-2022q2-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