

RDK-V Release rdkv-2018q2 available

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

- [rdkv-2018q2 Component Manifest](#)
- [rdkv-2018q2 RDK Yocto User Guide](#)
- [rdkv-2018q2 XI3v2 Test Report](#) (Gerrit)
- [rdkv-2018q2 XG1v3 Test Report](#) (Gerrit)
- [rdkv-2018q2 qemux86-mediadclient Test Report](#) (Gerrit)
- [rdkv-2018q2 qemux86-hybrid Test Report](#) (Gerrit)
- [rdkv-2018q2 rpi-mediadclient Test Report](#) (Gerrit)
- [rdkv-2018q2 rpi-hybrid Test Report](#) (Gerrit)
- [RDKV-2018Q2 Emulator Hybrid License Manifest Report](#)
- [RDKV-2018Q2 Emulator Client License Manifest Report](#)
- [RDKV-2018Q2 RPi Hybrid License Manifest Report](#)
- [RDKV-2018Q2 RPi Media Client License Manifest 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 [rdkv-2018q1](#) can be found [here](#).

Baseline

Baseline	nightly/20180629	20180629 baseline.
Post-baseline updates		
TDK	M59	https://wiki.rdkcentral.com/display/TDK/TDK-V+Release+M59
Manifest	rdkv-2018q2	

Highlights since rdkv-2018q1

This release is equivalent to the rdkv-20180629 iteration.

- Opensourced components:
 - rdk/components/generic/appmanager, rdk/components/generic/rdkmediaplayer, rdk/components/generic/sys_mon_tools/mem_analyser_tools, rdk/devices/raspberrypi/sysint, rdk/components/generic/rne, rdk/components/generic/libSyscallWrapper, rdk/devices/raspberrypi/webpa-client, rdk/components/generic/lxcpcid, rdk/components/generic/lxc-container-generator
- Components updated:
 - meta-cmf-bsp-emulator, meta-rdk-asp, meta-rdk-bsp-emulator, aamp, graphicsEngine, dvr, gst-plugins-rdk, gst-plugins-rdk-dvr, mediaframework, meta-cmf, meta-cmf-raspberrypi, meta-cmf-video, meta-rdk, meta-rdk-containers, meta-rdk-ext, meta-rdk-video, recorder, tr69, qtbase-5.1.1, qtwebkit-5.1.1, qtwebsockets-0.9.0, westeros, podManager, meta-rdk-restricted, devices/intel-x86-pc/rdkemulator/gst-plugins-rdk/playersinkbin, devices/intel-x86-pc/rdkri/lxc, devices/intel-x86-pc/rdkri/mediaframework, devices/intel-x86-pc/rdkri/podManager, devices/intel-x86-pc/rdkri/westeros, devices/raspberrypi/gst-plugins-rdk/playersinkbin, devices/raspberrypi/tdk, audiocapturemgr, bluetooth, bluetooth_mgr, crashupload, dca, devicesettings, diagnostics, hwsselftest, iarmbus, iarmmgrs, injectedbundle, mocahal, netmonitor, netsrvmgr, rdk_logger, rdkapps, rdkbrowser2, rdm, rfc, rmf_mediastreamer, servicemanager, storagemanager, iarm_event_sender, iarm_query_powerstate, iarm_set_powerstate, key_simulator, rdklogctrl, sys_resource, sysint, tr69hostif, wifi, xconf-simulator, xupnp, rdk/devices/intel-x86-pc/emulator/devicesettings, rdk/devices/intel-x86-pc/emulator/rdkbrowser, rdk/devices/intel-x86-pc/emulator/rmf_mediastreamer, rdk/devices/intel-x86-pc/emulator/servicemanager, rdk/devices/intel-x86-pc/emulator/sysint, rdk/devices/raspberrypi/iarmmgrs, rdkcmf/meta-westeros-raspberrypi, tools/tdk, tools/tdk-advanced
- 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 [rdkv-2018q1](#) can be found [here](#).

Build System

- Reference platform build testing performed with podManager enabled.
- All builds (emulator and reference platforms) now use rdk-oe (Yocto).
- The old build_framework system is no longer supported.
- rdk/components/generic/injectedbundle cannot be built by the community because of a dependency on AVE.

Root Filesystem uncompressed image size

Root Filesystem image size data for the XG1v3 and XI3v2 platforms can be found [here](#).

Getting the code

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

```
$ mkdir rdkv
$ cd rdkv
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkv.xml -b rdkv-2018q2
$ repo sync -j4 --no-clone-bundle
```

- The -m rdkv.xml in the build sequence above is important. If this is not specified, you will get an RDK-V tree by default.
- The -b rdkv-2018q2 in the build sequence above specifies the branch to use.
- If you omit the -b rdkv-2018q2 entirely, you will get the master (HEAD) of each component.
- At any time, the community can build latest master by dropping the -b rdkv-2018q2 option in the repo init command.

Building for the emulator

```
$ source meta-cmf/setup-environment
```

Select the option number for the required build (Hybrid: *qemux86hyb*; Media Client: *qemux86mc*).

Initiate the build using either of the following commands, depending on the desired device:

```
$ bitbake rdk-generic-hybrid-image or
$ bitbake rdk-generic-mediaclient-image
```

Upon a successful build, the rootfs (in vmdk format) is available at:

```
$ {HOME}/emulator/build-qemux86hyb/tmp/deploy/images/qemux86hyb or
$ {HOME}/emulator/build-qemux86mc/tmp/deploy/images/qemux86mc
```

Building for RaspberryPi MediaClient

```
$ mkdir <workspace dir>
$ cd <workspace dir>
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkv.xml -b rdkv-2018q2-rpi
$ repo sync -j4 --no-clone-bundle
$ source meta-cmf-raspberrypi/setup-environment
```

Select option raspberrypi-rdk-mc.conf

```
$ bitbake rdk-generic-mediaclient-westeros-wpe-image
```

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

Building for RaspberryPi Hybrid

```
$ mkdir <workspace dir>
$ cd <workspace dir>
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkv.xml -b rdkv-2018q2-rpi
$ repo sync -j4 --no-clone-bundle
$ source meta-cmf-raspberrypi/setup-environment
```

Select option raspberrypi-rdk-hybrid.conf

```
$ bitbake rdk-generic-hybrid-westeros-wpe-image
```

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

Documentation for RDK-V on RaspberryPi

[Media Gateway Hybrid \(RaspberryPi\)](#)

[Media Client \(RaspberryPi\)](#)

RaspberryPi Sanity Testing

Sanity tests include:

- Playing video from YouTube using WPELauncher.
- Playing video from local source using gst-play.
- Streaming from hybrid to media client using rmfApp.

Known Issues

Known issues are detailed [here](#).