

Download and Build Documentation

A tutorial to set up your environment and Download Source Code



- Cloning the code before login once to code.rdkcentral.com, user would get the Authentication error, even though the account is in good standing and has all the required access.
- Please login to code.rdkcentral.com before attempting to clone.

The RDK-B code can be obtained from the CMF Gerrit instance using the `repo` commands below :

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

- The `-m rdkb.xml` in the build sequence above is important. If this is not specified, you will get an RDK-V tree by default.

Note : The above commands illustrate how to access the specific CMF *iteration* (snapshot) RDK-B_2018Q2. Substitute the latest iteration currently available in [RDK-B Releases](#) page. If you want to get the very **latest** state of the code (i.e. current development), do not supply a branch, and `master` will be fetched:

```
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkb.xml -b morty
$ repo sync -j4 --no-clone-bundle
```

The first command will download the manifest, while the other command will fetch and checkout all the relevant git trees. Now you have a complete folder structure ready to build the RDK-B OpenEmbedded distro. The Manifest file (`manifest.xml` or `default.xml`) defines which repositories the project uses and links to appropriate revisions of each git repository. After completing "repo init", manifest files will be downloaded in ".repo/manifests/" path.

For other details on how to set up your Environment refer to [Getting Started with the Code](#)

Build Source Code

Steps to build the Source code:

In order to build the source code, we need to follow two primary steps,

1. Source the environment setup file
2. Build the required image using bitbake

The build instructions are device specific (e.g Emulator, RaspberryPi) and we need to be careful in using the proper environment setup file. We will take example of raspberry-pi and emulator here for reference.

Building the Emulator Version

[RDK-B Emulator Users Guide](#)

[RDK-B Emulator Build Instructions](#)

Building for RaspberryPi

[RDK-B \(RaspberryPi\) User's Guide](#)

[RDK-B \(RaspberryPi\) Build Instructions - Morty](#)

For further details on download and build instructions please refer to the [RDK-B Release](#) manuals provided with every release.