

# RDK-B Emulator Build Instructions

Author	RDK-M
Approver	
Version	1.0
State	Release version
Date	Sept 14, 2020

## Host Setup

- For Host SetUp details refer this link - [How to Build#SettinguptheHostEnvironment](#)

NOTE: Observing fetch errors in VMs with Ubuntu14.x. Thus, suggesting to use VMs with Ubuntu16.x or higher.

## Building

Note: 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.

To build, follow below instructions

Create workspace directory

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

Follow below instructions to create build with external sources

```
repo init -u https://code.rdkcentral.com/r/manifests -m rdkb-extsrc.xml -b rdk-next  
  
repo sync -j4 --no-clone-bundle  
  
MACHINE=qemux86broadband source meta-cmf/setup-environment  
  
bitbake rdk-generic-broadband-morty-image
```

On Successful build, the ROOTFS (in vmdk format) would be available at the following reference location.

```
<workspace dir>/build-qemux86broadband-morty/tmp/deploy/images/qemux86broadband-morty/rdk-generic-broadband-image-qemux86broadband-morty-<timestamp>.vmdk
```