1. **Go to Downloads folder**

cd Downloads

1. **Install the OpenVINO (2020.4) toolkit using wget command**

wget --no-check-certificate https://storage.openvinotoolkit.org/repositories/openvino/packages/2020.4/l\_openvino\_toolkit\_runtime\_raspbian\_p\_2020.4.287.tgz

By default, the package file is saved as l\_openvino\_toolkit\_runtime\_raspbian\_p\_<version>.tgz.

Note: If the file isn’t run by wget, use go to this link and download from GUI

Link : <https://storage.openvinotoolkit.org/repositories/openvino/packages/2020.4/>

1. **Create an installation folder.**

sudo mkdir -p /opt/intel/openvino\_2021

1. **Unpack the archive:**

sudo tar -xf l\_openvino\_toolkit\_runtime\_raspbian\_p\_2020.4.287.tgz --strip 1 -C /opt/intel/openvino\_2021

1. **Set the Environment Variables**

You must update several environment variables before you can compile and run OpenVINO toolkit applications. Run the following script to temporarily set the environment variables:

source /opt/intel/openvino\_2021/bin/setupvars.sh

\*\*(Optional)\*\* The OpenVINO environment variables are removed when you close the shell. As an option, you can permanently set the environment variables as follows:

echo "source /opt/intel/openvino\_2021/bin/setupvars.sh" >> ~/.bashrc

1. **Add USB Rules for an Intel® Neural Compute Stick 2 device**

This task applies only if you have an Intel® Neural Compute Stick 2 device.

Add the current Linux user to the users group:

sudo usermod -a -G users "$(whoami)"

To perform inference on the Intel® Neural Compute Stick 2, install the USB rules running the install\_NCS\_udev\_rules.sh script:

sh /opt/intel/openvino\_2021/install\_dependencies/install\_NCS\_udev\_rules.sh

1. Log out and log in for it to take effect. (Reboot )

sudo reboot

To test your change, open a new terminal. You will see the following:

[setupvars.sh] OpenVINO environment initialized

1. Plug in your Intel® Neural Compute Stick 2 in USB 2.0
2. **Checking for Movidius Device (VPU)**

dmesg | grep Movidius

You will get the following output indicating that we have Movidius MyriadX connected to Raspberry Pi

Word

Description automatically generated with low confidence