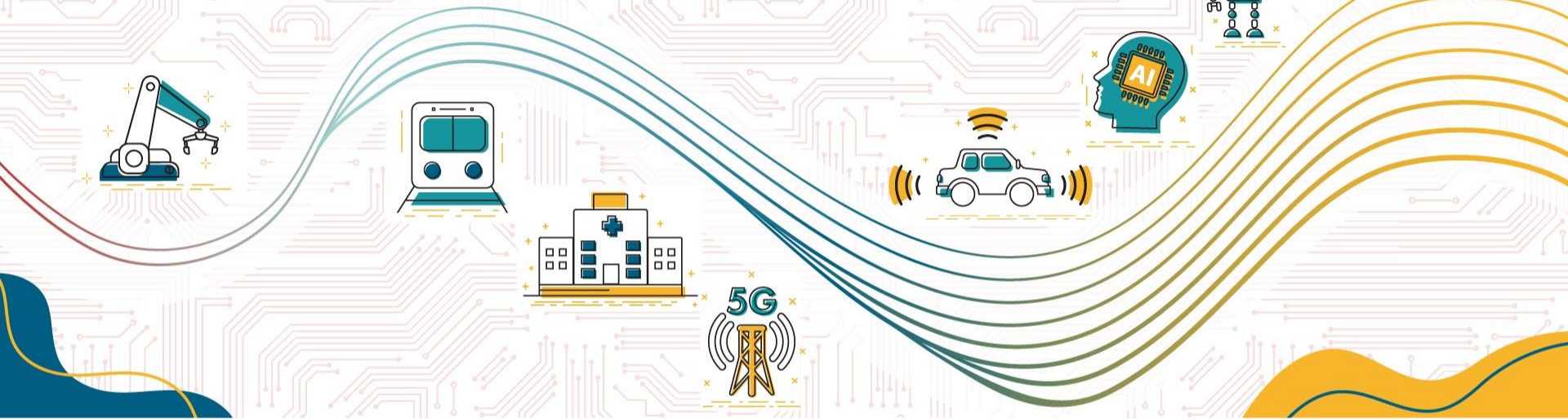
Desire For Innovation

引領創新 共創未來



Installation Guide of DFI Dev kits for OpenVINO

DFI

July 2022

ABOUT THE DOCUMENT

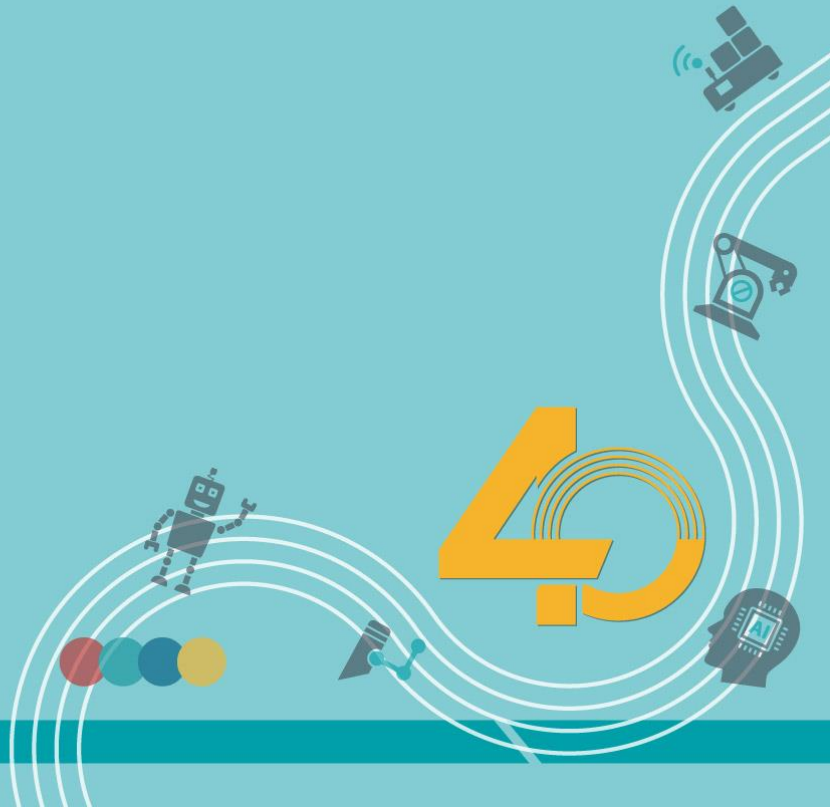
This installation guide is for OpenVINO DevCup only.

Please follow these steps strictly.

CONTENT

1. Before Installation
2. Install Ubuntu
3. Install Demo kits
4. Run Demo kits
5. Software Repositories

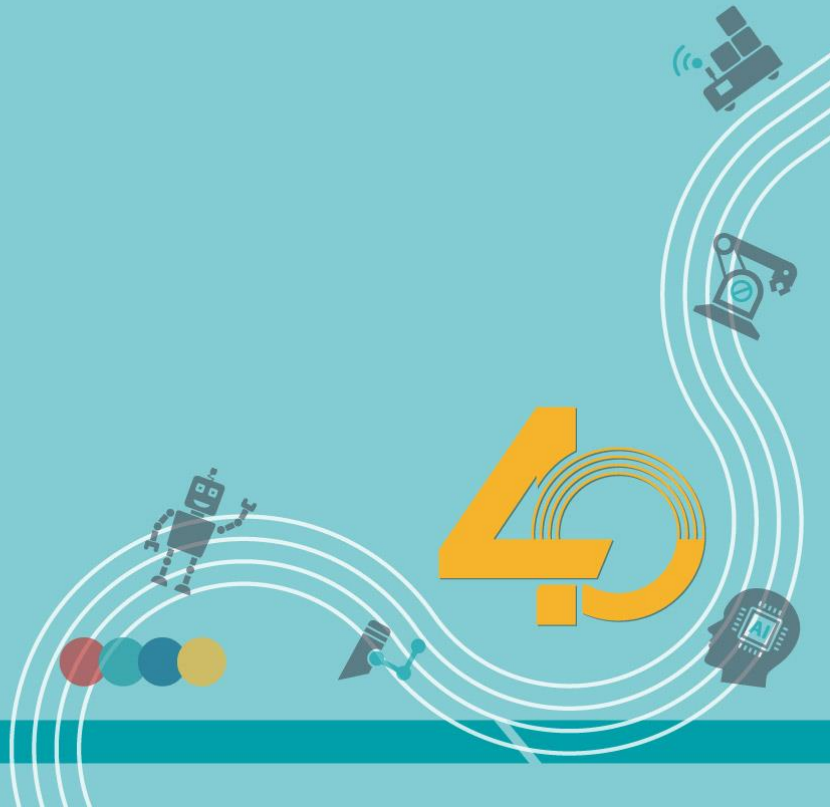
BEFORE INSTALLATION



Please get these things ready

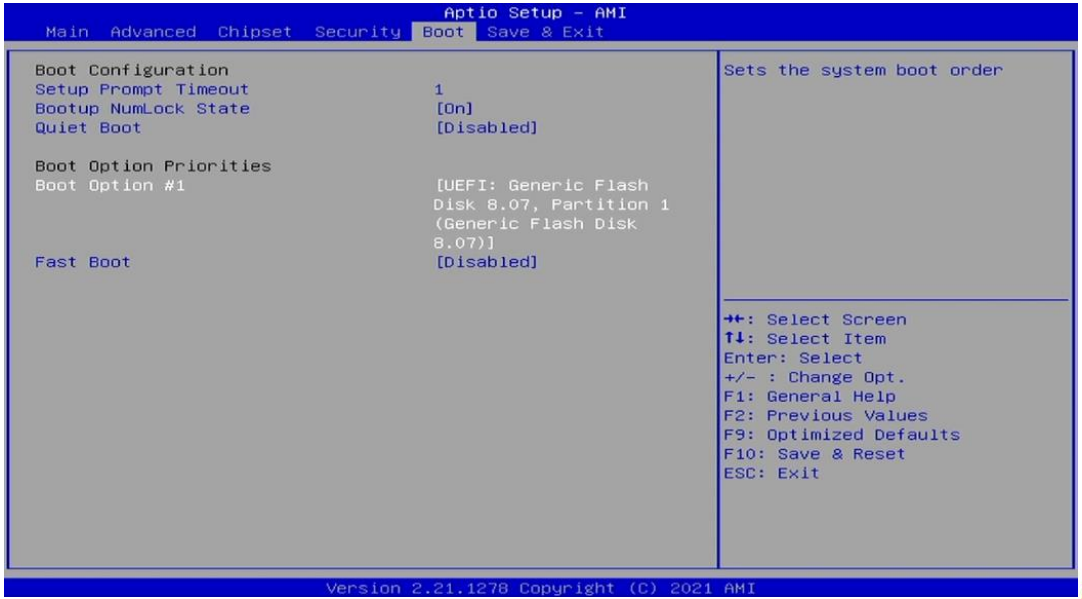
- Make sure the hardware kit is well-connected to internet.
- Prepare an Ubuntu stick by this tutorial.
- Plug in the Ubuntu stick (version 20.04) before installation.

INSTALL UBUNTU



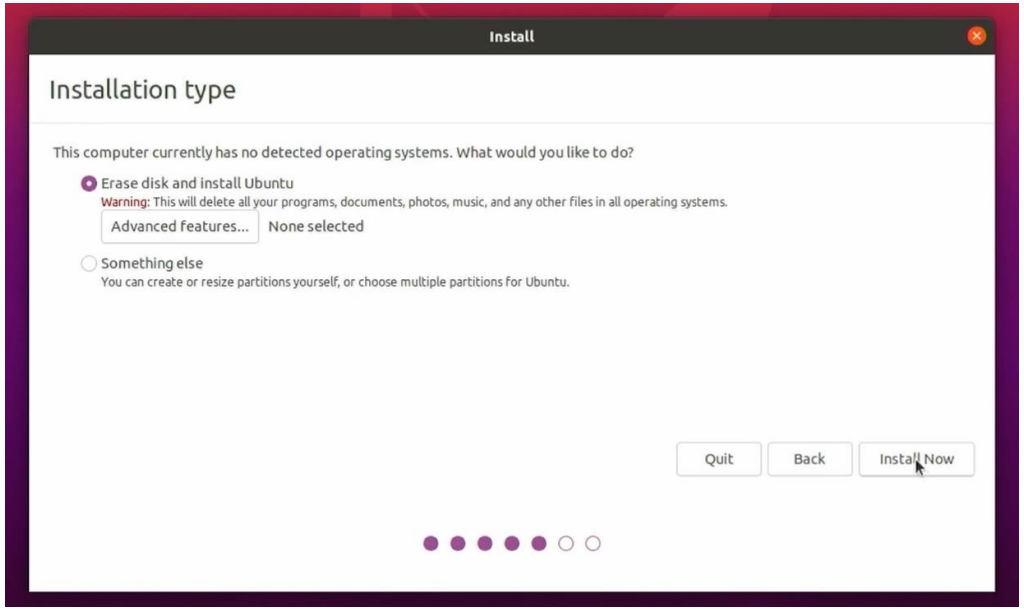
BIOS Settings

- Press “Del” button while booting, enter BIOS screen to ensure that the Ubuntu stick is in the first priority.



Install Ubuntu

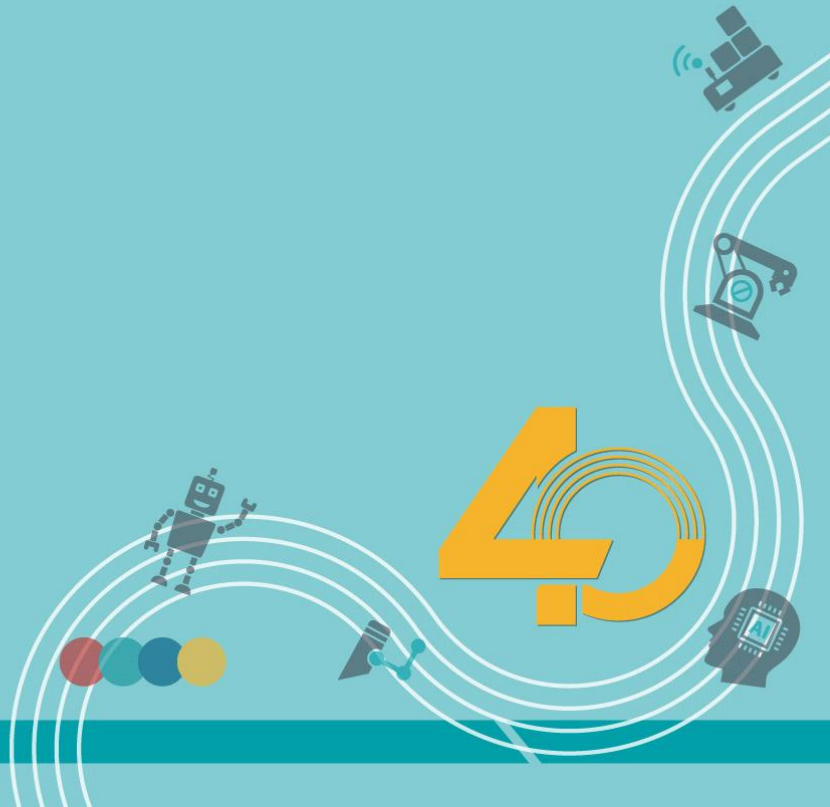
- At the “Installation type” screen, select “Erase disk and install Ubuntu”



Running and Done

- Ubuntu is successfully installed. No additional drivers are required.

INSTALL
DEMO KITS

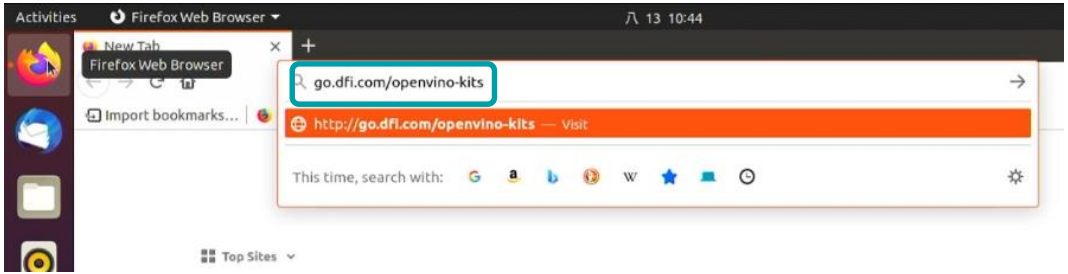


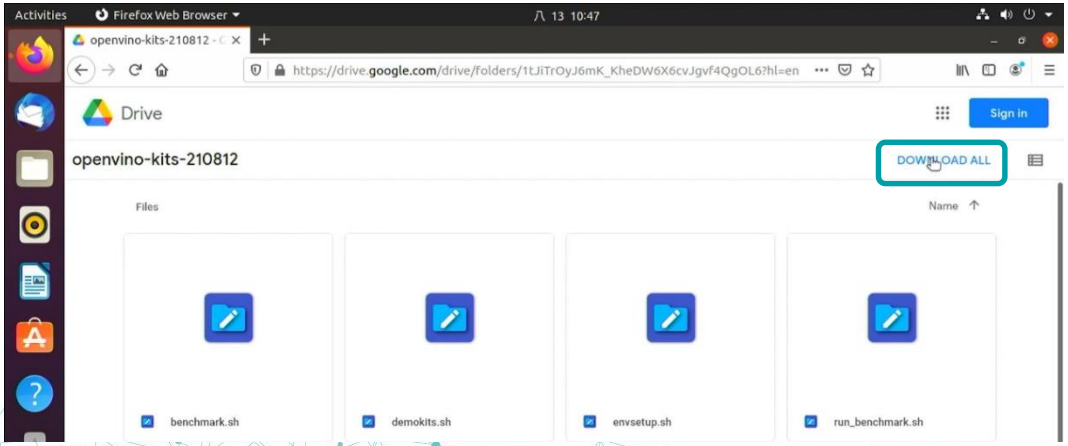
NOTICE

1. Please strictly follow the sequence.
2. Make sure internet connection is stable.

Download Demo kit Scripts

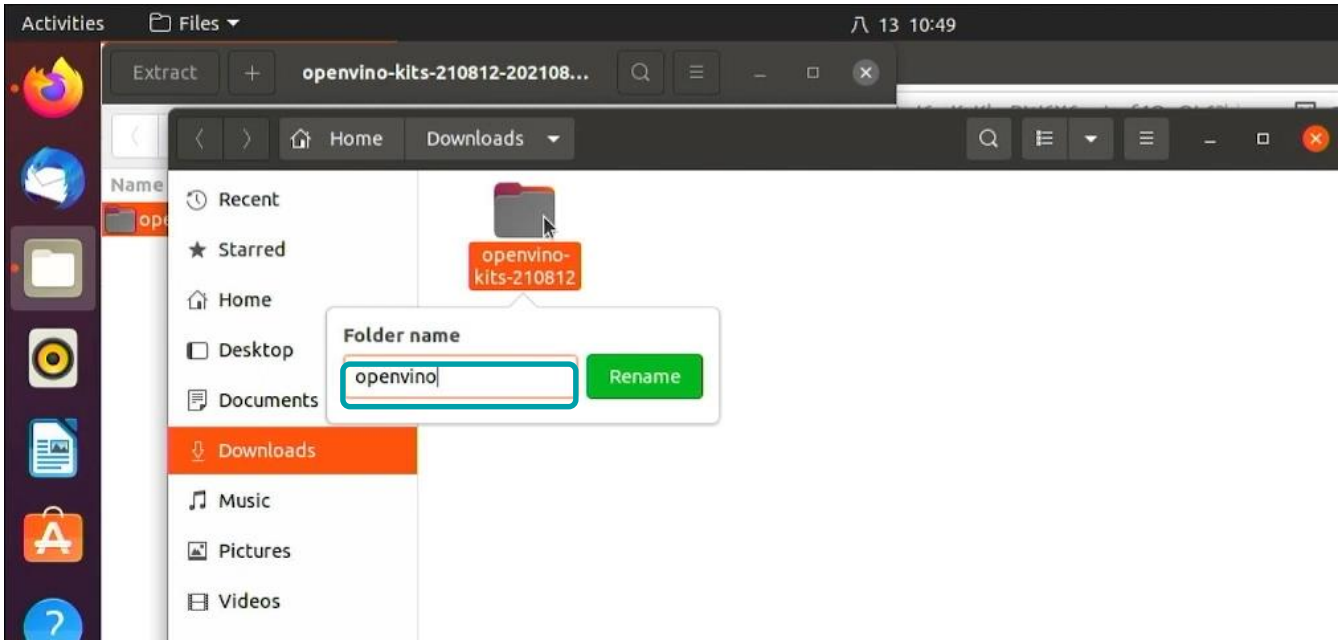
- Go to https://go.dfi.com/openvino-kits to download all files





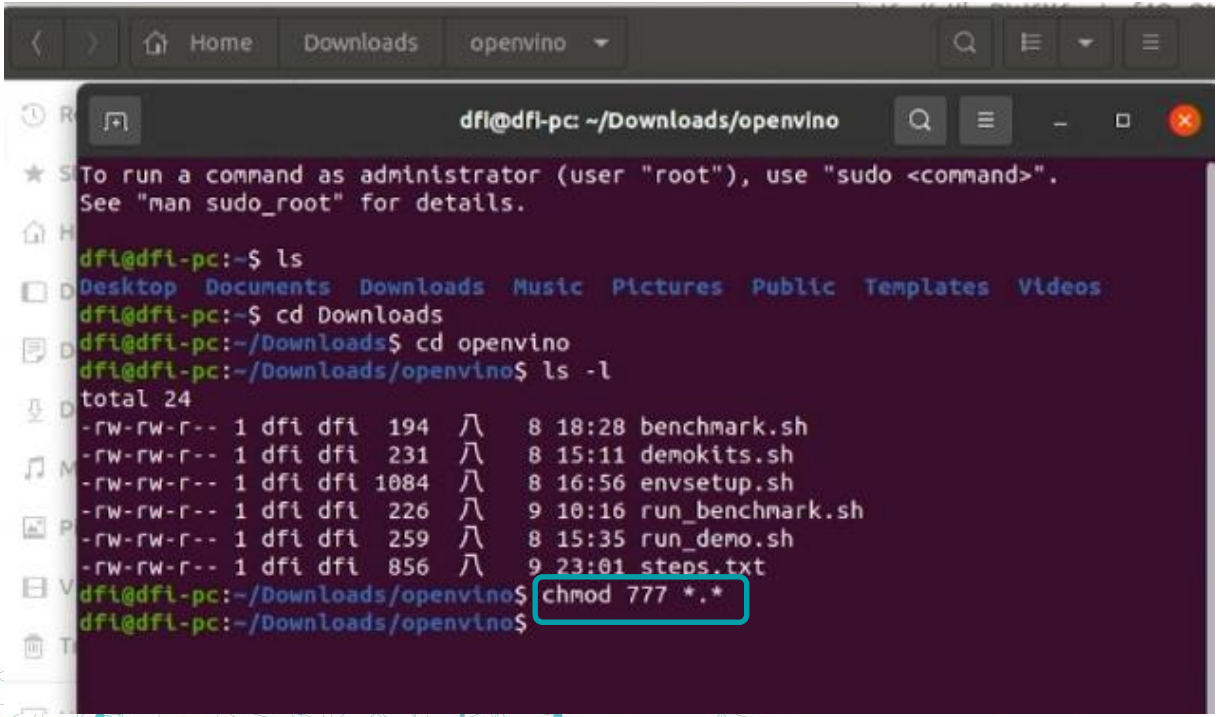
Rename the folder

- Go to “Downloads” and rename the downloaded folder into “openvino”



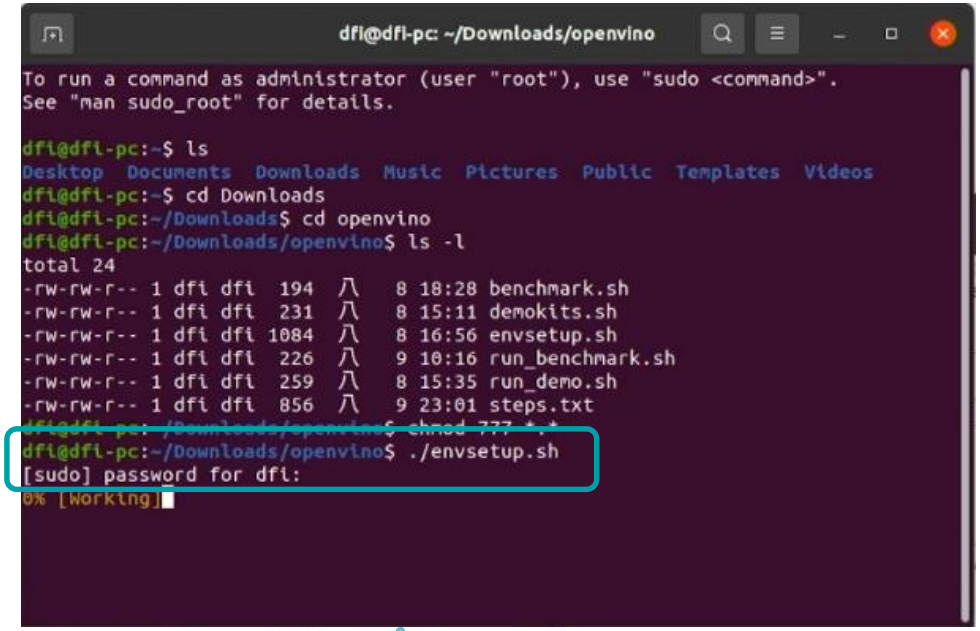
Grant the permission

- Open the terminal in the folder where scripts located, then type “chmod 777 *.*”



Set up the environment

- Run “./envsetup.sh”

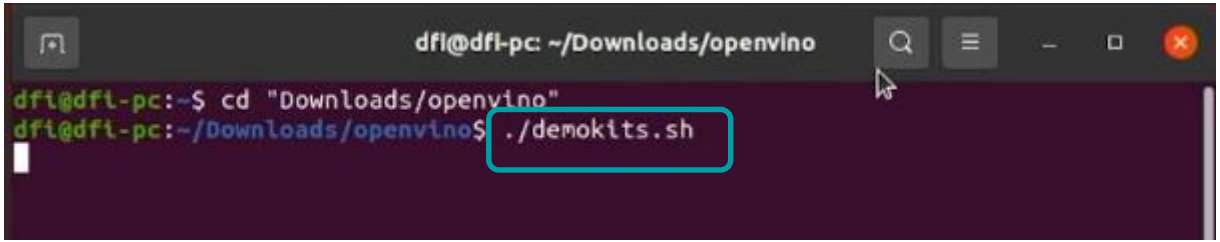


Set up the environment

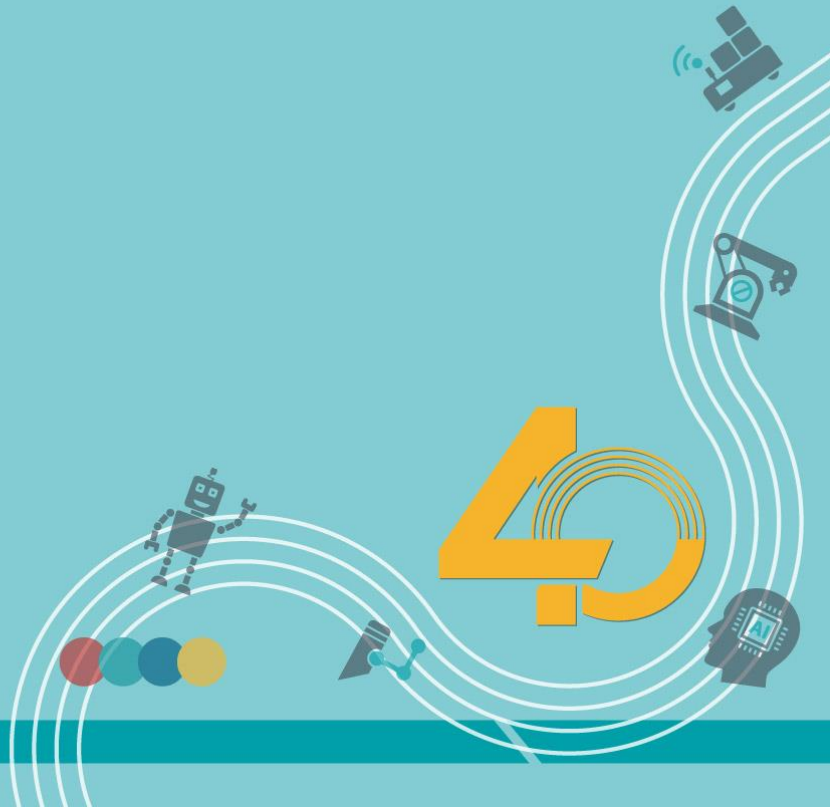
- After the setup is finish, system will automatically reboot.

Download necessary files

- Run “./demokits.sh”, wait for it to finish.

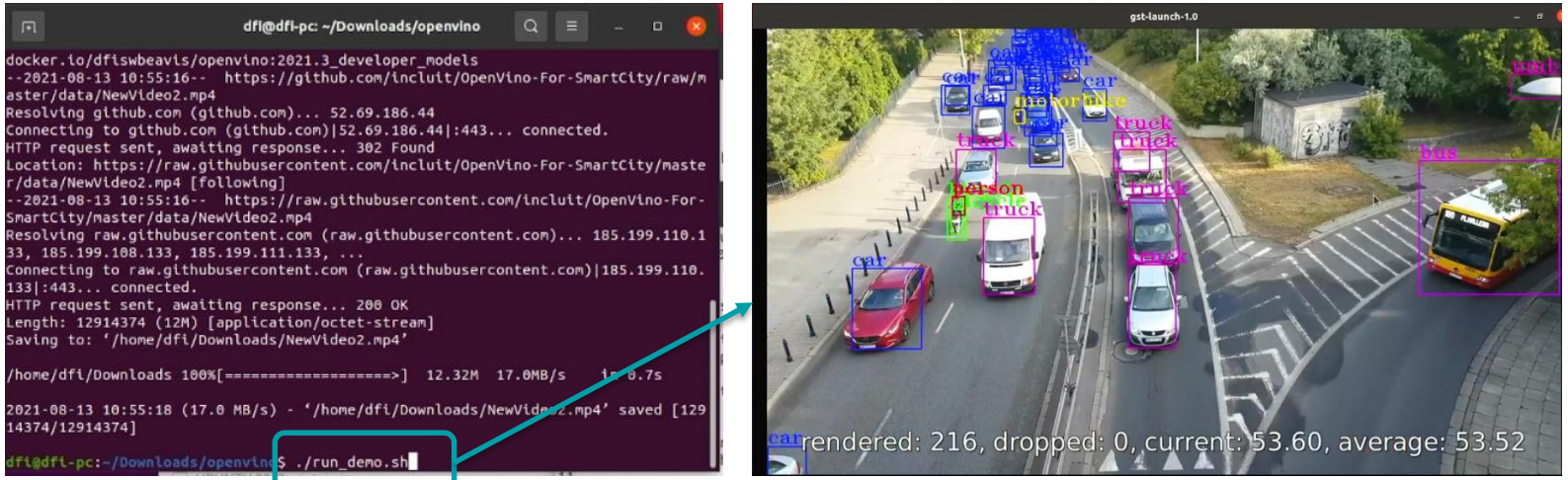


RUN
DEMO KITS



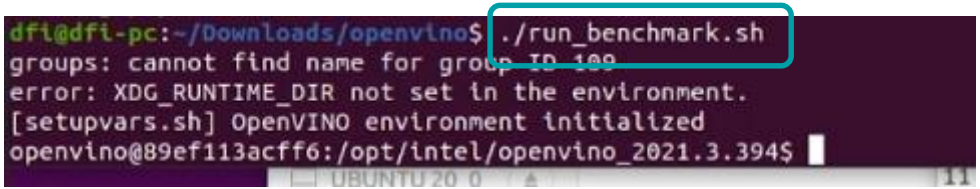
Run the demo

- Run “./run_demo.sh”, and then wait for the demo to begin



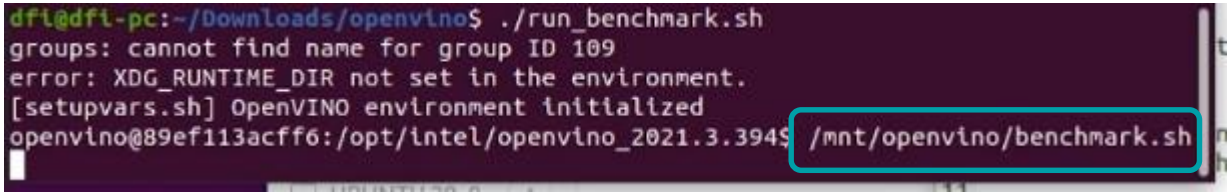
Prepare for the benchmark

- Run “./run_benchmark.sh”, and enter the docker.



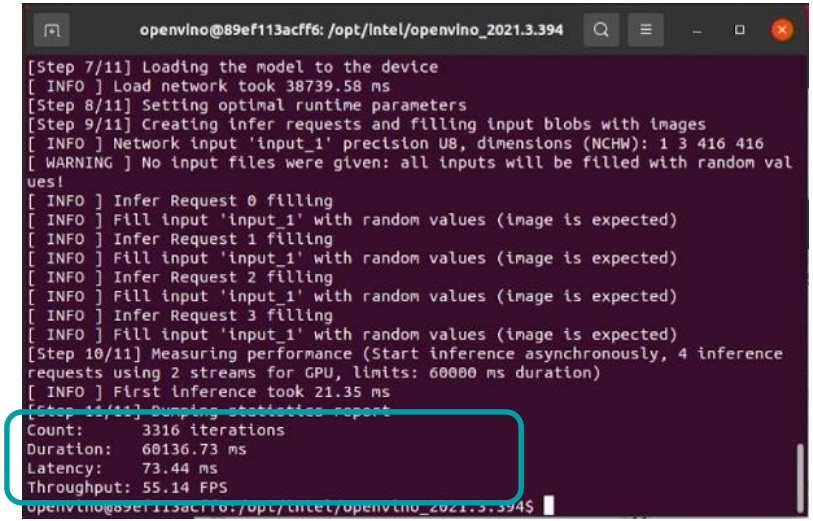
Run the benchmark

- Run “/mnt/xxxxx/benchmark.sh”, and execute the benchmark.
- xxxxx is the folder name contains “run_benchmark.sh”.
- Please wait for the benchmark to finish.



Get the benchmark results

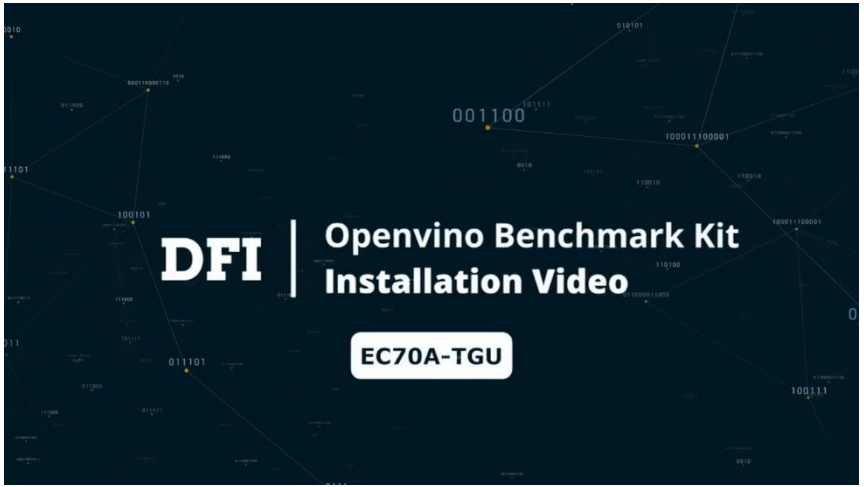
- After the benchmark is done, the results are revealed at the bottom.



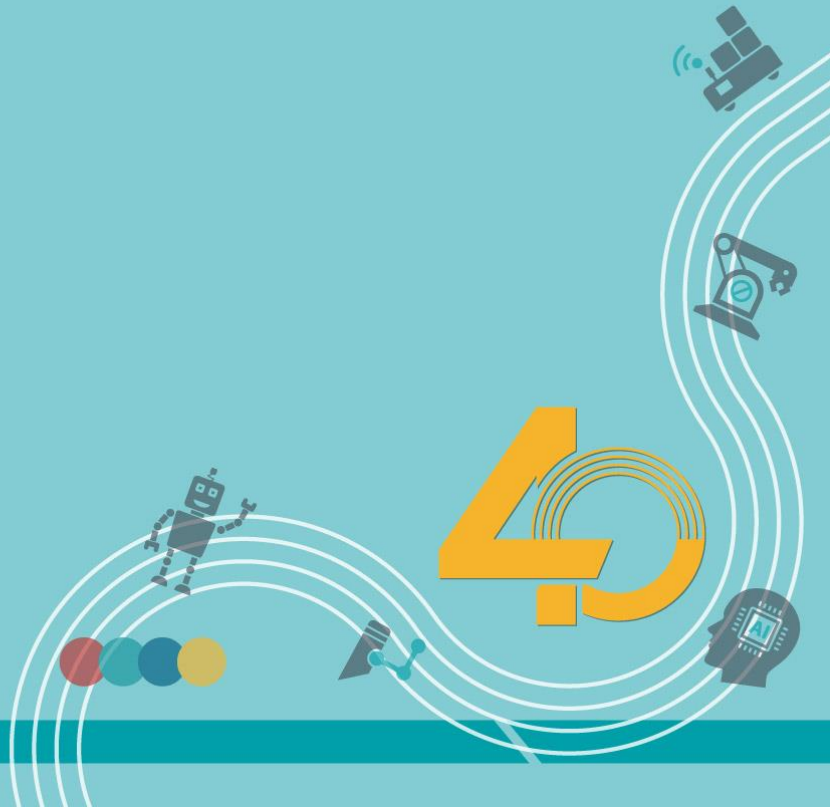
Installation Video

- More details of the installation process can be found in the installation video:

  https://youtu.be/60fFybYJsbI

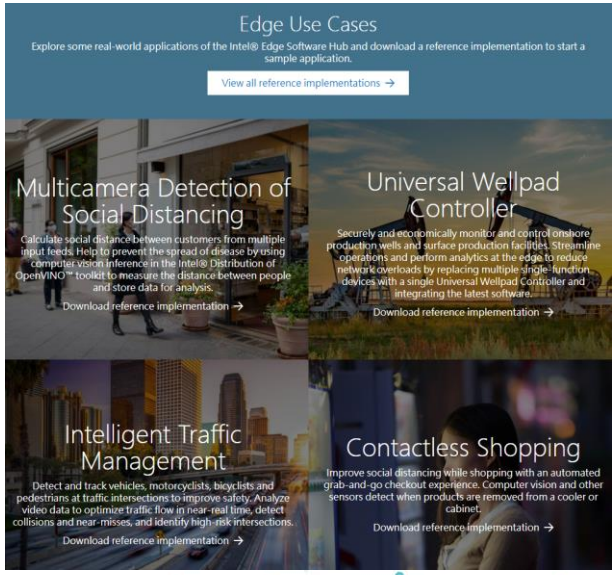


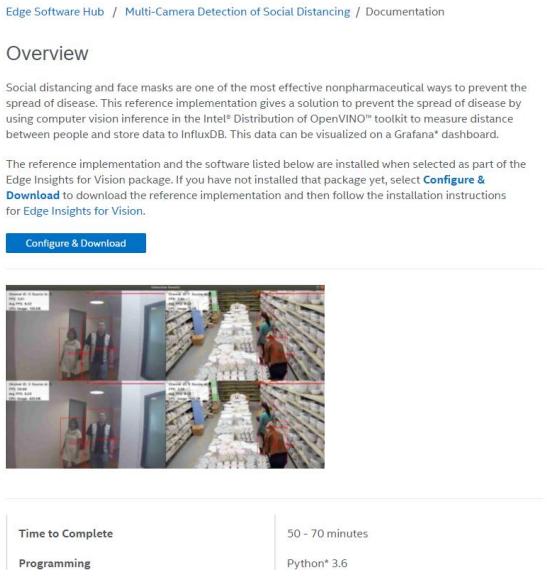
SOFTWARE REPOSITORY



Try interesting applications

- Go grab some Software Packages based on edge use cases to inspire more ideas.





Thank you