

# Set up your machine for hands-on tutorials

## Option 1: Install Go Natively (Recommended. It works for Windows, Linux, and MacOS.)

**Step 1:** Make sure you can run the git command on your machine.

**Step 2:** Install the Go environment. Download Go installation package here

<https://golang.org/dl/>. If you use a Mac or Linux machine, follow the installation instruction here

<https://golang.org/doc/install#install>. If you use a Windows machine, simply execute the installation program. Make sure you can use the `go` command in your terminal.

**Step 3:** Run command [https://gitlab.com/syifan/hpca2020\\_tutorial\\_handson.git](https://gitlab.com/syifan/hpca2020_tutorial_handson.git) to clone the hands-on tutorial examples. You can clone it to anywhere on your hard drive.

**Step 4 (Optional):** Install VSCode and the VSCode Go extension.

## Option 2: Use our virtual box image

**Step 1:** Install VirtualBox from <https://www.virtualbox.org/>.

**Step 2:** Download our virtual box image from [http://bit.ly/hpca\\_tutorial\\_virtualbox\\_image](http://bit.ly/hpca_tutorial_virtualbox_image) and unzip it.

**Step 3:** Double click the `mgpusim\_tutorial.vbox` file in the unzipped folder.

**Step 3b:** If step 3 does not work, open VirtualBox and add a new virtual machine. Select the `mgpusim\_tutorial.vbox` file in your unzipped folder. And then start the machine.

**Step 4:** Log in with the user name "simuser" and the password "mgpusim". The example code is located at `~/dev/src/gitlab.com/syifan/hpca2020_tutorial_handson`