

Assignment 1
Released: Sept 1, 2016
Due date: Sept 13, 2016, midnight
Points: 10

Setting up the work environment is our first Assignment. **You have to do it individually.**

Briefly, you need to install the virtual box first, then install Ubuntu on top of it, and then install OS161 and Sys161 on top of Ubuntu.

Please follow the instructions below.

Step 1: Assuming you are using Windows operating system, download **VirtualBox for Windows** hosts [x86/amd64](https://www.virtualbox.org/wiki/Downloads) from <https://www.virtualbox.org/wiki/Downloads>

Step 2: Download the virtualbox installation manual from HuskyCT and follow the instructions.

Step 3: Once you finish installing virtual box, download Ubuntu from the following link **(Please install this specific version to avoid incompatibility issues with OS161. Choose not to update Linux while installing. Please note that this specific version is not supported anymore, which is fine.)-**

[ubuntu-11.10-desktop-i386.iso](#)

Step 4: Install Ubuntu on top of virtual machine.

Step 5: Once Ubuntu is installed, boot Ubuntu. Now open this file inside Ubuntu using your browser inside Ubuntu. Now, download the following packages **inside Ubuntu** -

[gettext 0.18.1.1-3ubuntu1 i386.deb](#)

[libncurses5-dev 5.9-1ubuntu5 i386.deb](#)

[libtinfo-dev 5.9-1ubuntu5 i386.deb](#)

[libunistring0 0.9.3-4 i386.deb](#)

[texinfo 4.13a.dfsg.1-8ubuntu1 i386.deb](#)

Assuming that **these are downloaded in your Ubuntu Download** folder, you can install them by executing the following commands -

```
cd ~/Downloads
sudo dpkg -i ./libtinfo-dev*.deb
sudo dpkg -i ./libncurses5-dev*.deb
sudo dpkg -i ./libunistring0*.deb
sudo dpkg -i ./gettext*.deb
sudo dpkg -i ./texinfo*.deb
```

Step 6: Now, download the following files inside Ubuntu under your **Ubuntu Download** folder-

- [os161.tar.gz](#)
- [os161-binutils.tar.gz](#)
- [os161-gcc.tar.gz](#)
- [os161-gdb.tar.gz](#)
- [sys161.tar.gz](#)

Step 7: Download the instruction file to install OS161 from HuskyCT and follow the instructions downloaded from HuskyCT ☺

Please note that, this assignment takes significant amount of time. Please start immediately.

At this point, you do not need to know the exact semantics of the Linux commands.

Deliverable: Once you are able to start OS161, please take a screenshot and upload on HuskyCT!

That's it!