Tutorial Activity 1: Setting up the Computing Environment for Exercises

(Adapted from tutorial activity for SFWRENG 2MP3)

Note: There is no grade associated with this activity.

Objectives

The purpose of this activity is to setup the computing environment that will be used to perform weekly exercises.

Tasks

In order to setup the environment properly, you are required to perform, at least, the following tasks. Detailed instructions on each step can be accessed through the provided SEED weblinks:

#1: Download and Install Virtual Box

Use the link (https://www.virtualbox.org/wiki/Downloads) to download the Virtual Box software suitable for your personal device [Figure 1].

Install the Virtual Box software, using recommended settings. **You might have to enable virtualization on your machine, from BIOS settings, if you see any warnings while using the Virtual Box (usually happens in case of 64-bit VMs).**

#2: Download the Virtual Machine image

Follow the instructions on the webpage (http://www.cis.syr.edu/~wedu/seed/lab_env.html) to download the "SEEDUbuntu16.04.zip" VM [Figure 2].

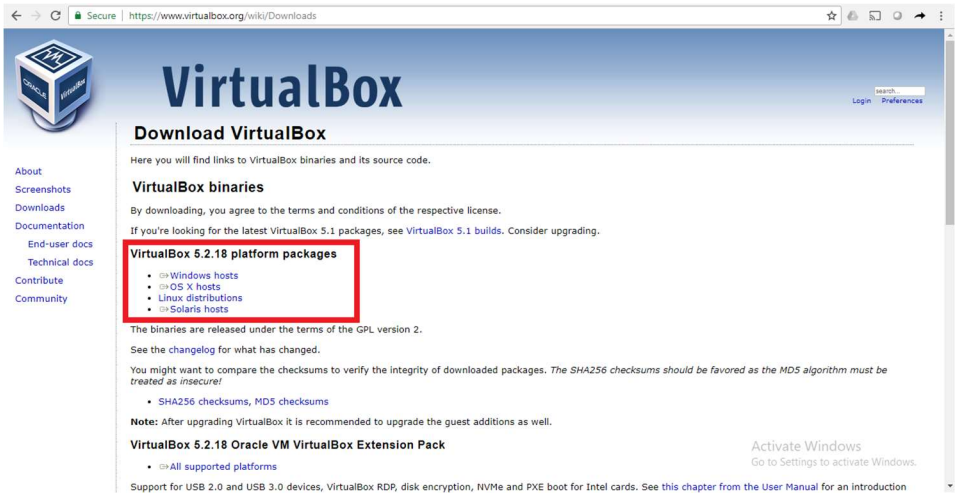

Figure 1: Download Virtual Box Software

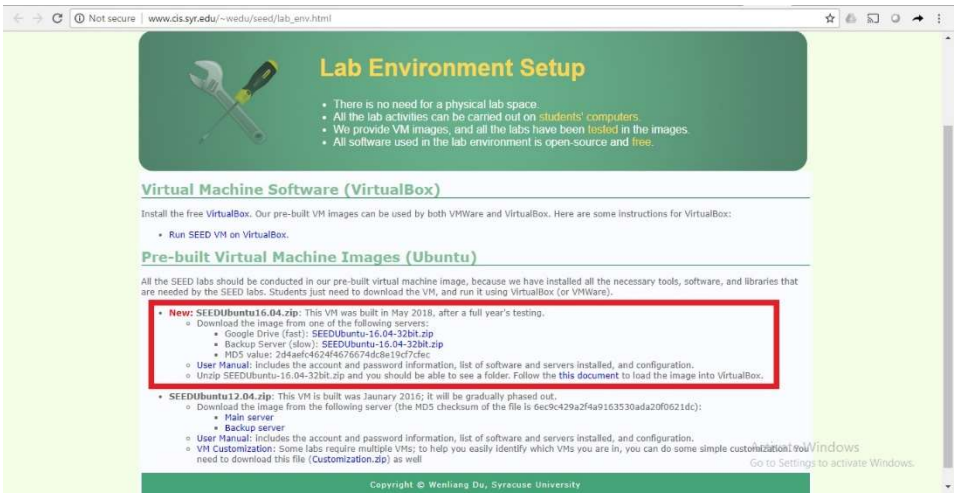

Figure 2: Download Virtual Box Software

#3: Run the SEED VM on Virtual Box

Follow the instructions in the file (http://www.cis.syr.edu/~wedu/seed/Labs_16.04/Documents/SEEDVM_VirtualBoxManual.pdf) to load and run the SEED VM on the Virtual Box.

Read the whole document carefully to understand the configurations and setting.

#4: Changing your Prompt in the terminal

In the Terminal or Terminator, open the ".bashrc" file using the gedit, "gedit .bashrc" [Figure 3]

Locate the line starting with "PS1=" [Figure 4]

Modify the text "\u", write your Student ID here.

Save and close. You have to start the Terminal or Terminator again to see the effect of this change.

Figure 3: Editing ".bashrc"

Figure 4: Changing Prompt