

## IN3210/4210 – Preparation for exercises later in the course

Several exercises later in the course are based on SEED labs and are intended to be performed using the SEED labs Ubuntu 16.04 VirtualBox image.

1. If required, download and install VirtualBox from <https://www.virtualbox.org>
2. Download the SEED labs Ubuntu 16.04 image from <https://drive.google.com/file/d/12l8OO3PXHjU9vfjkAf7-l6bsixvMUa/view?usp=sharing>

The MD5 value is 12c48542c29c233580a23589b72b71b8. On Windows there is no “md5” command line tool included, but Windows users may use this application:

<https://support.microsoft.com/en-us/help/841290>

3. Create a new virtual machine in VirtualBox using the provided disk image, as described in: [http://www.cis.syr.edu/~wedu/seed/Labs\\_16.04/Documents/SEEDVM\\_VirtualBoxManual.pdf](http://www.cis.syr.edu/~wedu/seed/Labs_16.04/Documents/SEEDVM_VirtualBoxManual.pdf). You only need one virtual machine for now.
4. You should now be able to log in to SEED Ubuntu. The username is “seed” and the password “dees”. You may use the “sudo” command to gain root privileges. (The password for the root account is seedubuntu.)

To change to Norwegian keyboard layout in Ubuntu: select “System settings” (from the bar on the left of the screen), then “Text Entry”, then “+” to add “Norwegian” and “-” to remove English.

The SEED Ubuntu User Manual is found here:

[http://www.cis.syr.edu/~wedu/seed/Documentation/Ubuntu16\\_04\\_VM/Ubuntu16\\_04\\_VM\\_Manual.pdf](http://www.cis.syr.edu/~wedu/seed/Documentation/Ubuntu16_04_VM/Ubuntu16_04_VM_Manual.pdf)