

Building & Rebuilding a Linux System

This lab may require several hours of computer time to complete. Your actual keyboard time should be less than any of the previous labs in the course. You will be using a remote system, either in command-line mode or Graphical User Interface (GUI) mode. The choice is yours. But it MUST be done on the CS-provided Linux systems (TJW or VMWare. Failure to do so will be considered cheating and cause for an “F” in the course. NO OTHER SYSTEM IS ACCEPTABLE for completing this lab.

There are several files that will help you with this lab. They are ALL on my website. Do some digging.

1. Files to access and login to the TJW virtual environment
2. Files to boot a virtual linux machine in VM (using the Mocha3270, X3270 or Q3270 clients)
3. Files to access and login to the virtual Linux machine (Putty, SSH, TightVNC or other VNC client)
4. Instructions on how to perform a CentOS build in the virtual environment (see below).

The following references will help:

- <http://dforeman.cs.binghamton.edu/~foreman/OS-common/Project basics/CentOS/W17-1-General Prep to Rebuild Centos.docx>
- <http://dforeman.cs.binghamton.edu/~foreman/OS-common/Project%20basics/CentOS/W17-2-Installing Centos source+rebuild tools.docx>
- <http://dforeman.cs.binghamton.edu/~foreman/OS-common/Project%20basics/CentOS/W17-3-Building+Installing the Centos kernel.docx>
- <http://dforeman.cs.binghamton.edu/~foreman/OS-common/Project basics/Building Linux/Files to change in CentOS 6 and 7.pptx>