

## 1 NJIT ID and last 4 digits

**NJIT-ID (last 4 digits) and myUCID.** Retrieve the last four digits of your NJIT-ID (NOT YOUR SSN): Document 0, Section 5, subsection 2 talked about this. If you don't know your NJIT-ID, login to `my.njit.edu` to retrieve it. Make sure your myUCID work for the Highlander \*nix machines (aka AFS machines). If you claimed your myUCID info through `myucid.njit.edu` you shouldn't have problems, but VERIFY it.

## 2 Screen Capture, PDF generation

If you plan to do screen capture you may use Microsoft's snipping tool or other similar tools. Export in .JPG (preferable). You may then include/import/insert those files into a Microsoft Word document. Capture only the relevant area and make sure information is viewable afterwards. (This matters for you to keep overall file size at less than 5MiB.)

**PDF generation.** There is a PDF printer driver in Microsoft Word that can be used to convert the resulting document in PDF. (I believe that Pages in OSX offers something similar.)

**File size limitation.** If there is a requirement to submit a file be considerate: file sizes for submission larger than 5MiB will not be accepted in canvas. Include your name and four digits of NJIT inside every document you submit.

## 3 VPN

If you connect to an NJIT computer from outside NJIT, you need to establish prior to this connection a VPN connection (eg your home-based PC will have an NJIT IP address). This is required even if you plan to have a secure shell connection (see a follow-up section). This requires you to download an NJIT supplied VPN client. Go to <https://ist.njit.edu/vpn/> or type in Google NJIT VPN client and follow through the instructions/links. Our suggestion is for you to work inside NJIT and thus to avoid the use of VPN completely. (How can you verify the establishment of a connection? Type in google my IP address and if the displayed IP address starts with 128.235, it is an NJIT one.)

## 4 Linux and Highlander \*Nix

Sometimes we might ask you to work on a linux machine. They used to be called AFS machines, now they are called Highlander \*nix machines. If you know nothing about the Linux operating system and its command line-based commands, go to the course web-page and Section B3 has two links (URL) to tutorials that can help you. Such AFS machines (btw, AFS stands for Andrew File System, a network-based global file system) are located at GITC (2nd floor) and have names such as `oslX.njit.edu` or `oslXY.njit.edu` where *X, Y* are numeric digits. Machines `osl1.njit.edu` through `osl31.njit.edu` should be accessible most of the time.

## 5 Terminal and MobaXterm

In order to access those linux machines from inside NJIT you need to have an ssh (secure shell) client. An ssh client can be accessible or retrievable through a Terminal window (application). Read the appropriate manual for options of an ssh client.

**Windows users.** There are a variety of secure shell clients. NJIT provides an enhanced terminal application named MobaXterm, available for download at <http://ist.njit.edu/software-available-download/>.

A terminal application is sometimes known as command window, or command prompt but MobaXterm does more than that. Download it, install it and familiarize with it. Included with it there is an ssh client that can be used to connect to other NJIT linux or unix computers. Read the manual to figure out how to setup a secure shell connection and its parameters/argument values (or look up for Web info.) You will need it in at least one homework.

**Mac-OSX users.** If you do not own a Windows machine, Mac OSX already has such a program: a MAC terminal available through Applications->Utilities->Terminal. Figure out how to use a secure shell client appropriately using the Mac OSX documentation. Note that the YWCC BYOD policy only deals with Windows machines.

**Linux users.** A terminal (xterm or uxterm) similar to the one available to Mac-OSX users serves the same purpose. A secure shell client usually is invoked from a terminal using the command ssh. Check the appropriate documentation for details.

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**Grade and Canvas Grading.** HW grades will be made available in Canvas. Ignore canvas grade accumulations; canvas has no clue about the course grading scale or scheme. The only deadline is before (12-o'clock) noon of the day specified in the calendar of Handout 1 (Syllabus).

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