CSE Virtual Machines

You'll have a virtual machine (VM) this semester. If you are off campus, you will need to VPN in through Cisco Anyconnect (instructions) to access your VM.

Setup

You need to run a setup script the first time you connect to your VM:

- Open a terminal
  - Mac: cmd+ space, type *terminal*, return
  - Windows: windows key, type *cmd*, enter
- ssh in to netID@netID-vm.cse.uconn.edu and log in with your netID password + 2fa
  - Common issues:
    * Password isn't working - verify that you have the same password for all UConn services at netid.uconn.edu by running the Password Test under the **My NetID** dropdown menu
    * Infinite 2fa prompts - make sure you are selecting an option (1, 2, or 3) at the prompt, not just pressing "enter"
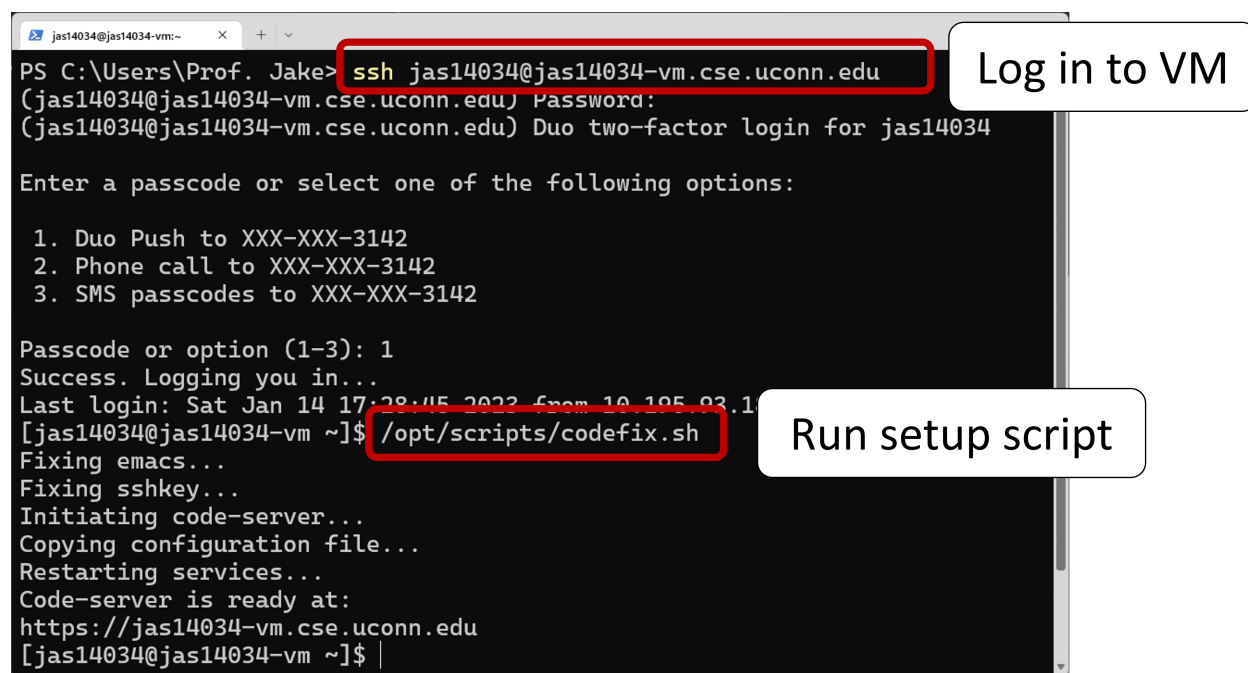- Run /opt/scripts/codefix.sh

Figure 1: ssh in to your VM and run the setup script the first time you access it.

Working with your VM

You can always ssh in to your VM and work from terminal - vim, emacs, and nano are all avaiable to your for writing code.

Alternatively, you can open a browser and go to netID-vm.cse.uconn.edu (see image below). This will serve you an instance of code-server, a VS Code fork designed to be accessed remotely.
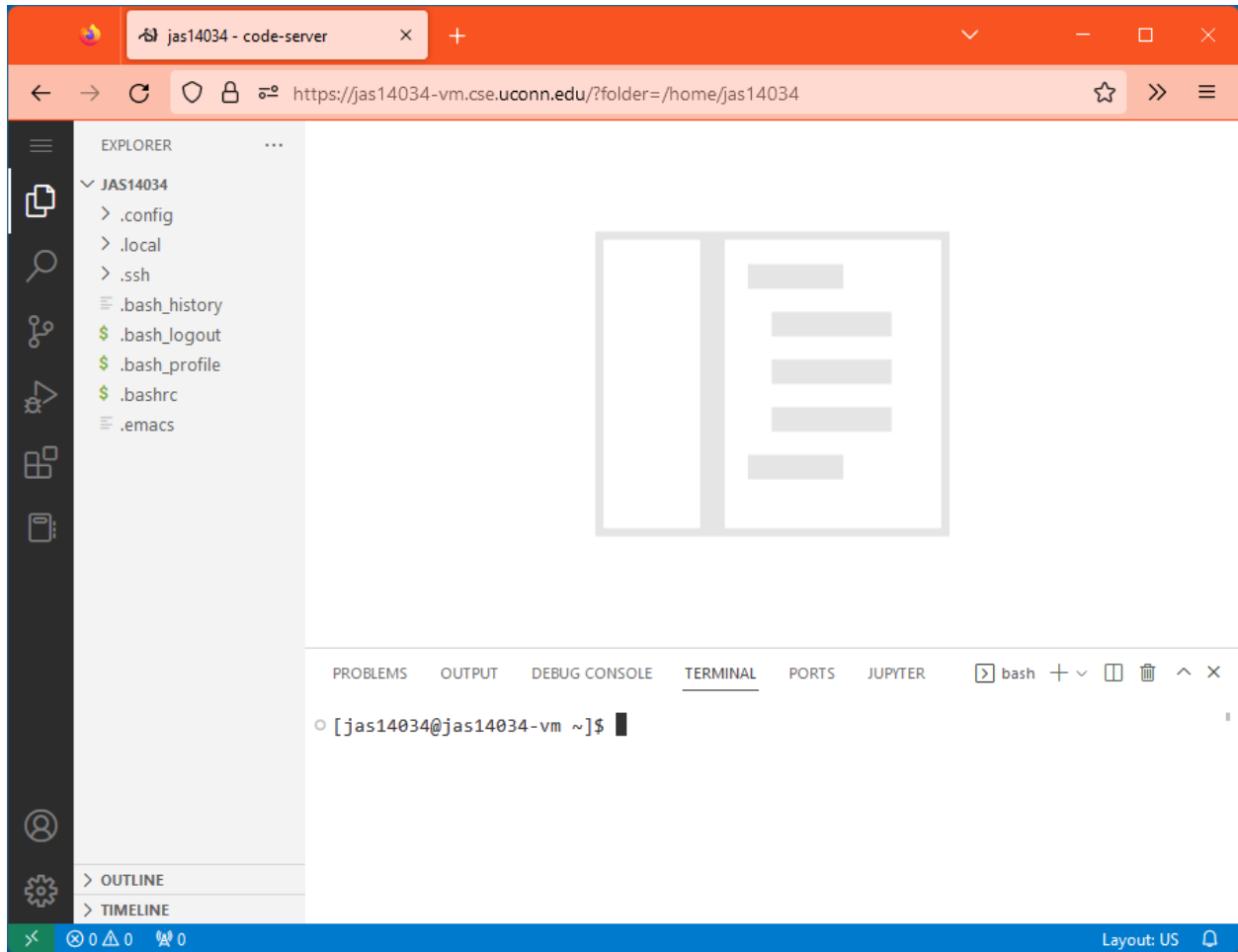
Figure 2: The first time you access code-server, it should look like this.

Backing up files

Sometimes things go wrong - never depend on a single copy of a critical file (like a homework, for instance). Backup your files whenever you finish working:

- If you are in terminal, you can use `scp` to transfer files between the remote VM and your local machine.

- If you are using the code-server interface, you can right click on a file to download it locally.