

VM Installation and Setup

Computer Science I

Introduction

Installing a Virtual Machine (VM) allows you to run the same basic setup that the labs and hacks were developed on. Once you have installed the VM client, you will have access to all the software and libraries necessary for your course work in Computer Science I through the virtual machine.

VM Client Installation

The VM client that will be used is the Horizon Client from VMWare. We will be using Version 5.4.2. Here is the link for the download of the Horizon Client:

MAC:

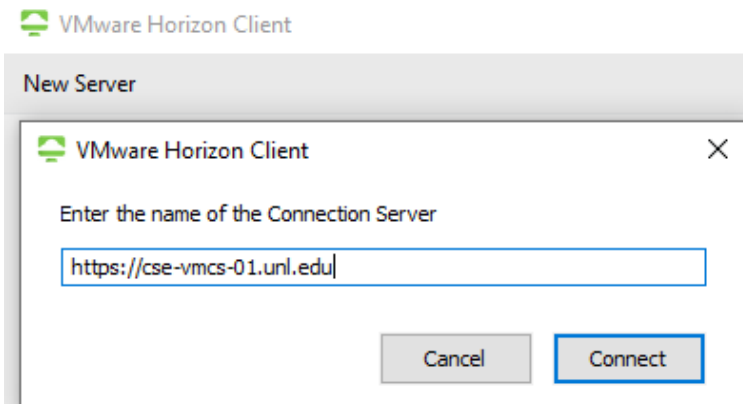
https://my.vmware.com/web/vmware/details?productId=863&rPid=45512&downloadGroup=CART21FQ1_MAC_542

Windows:

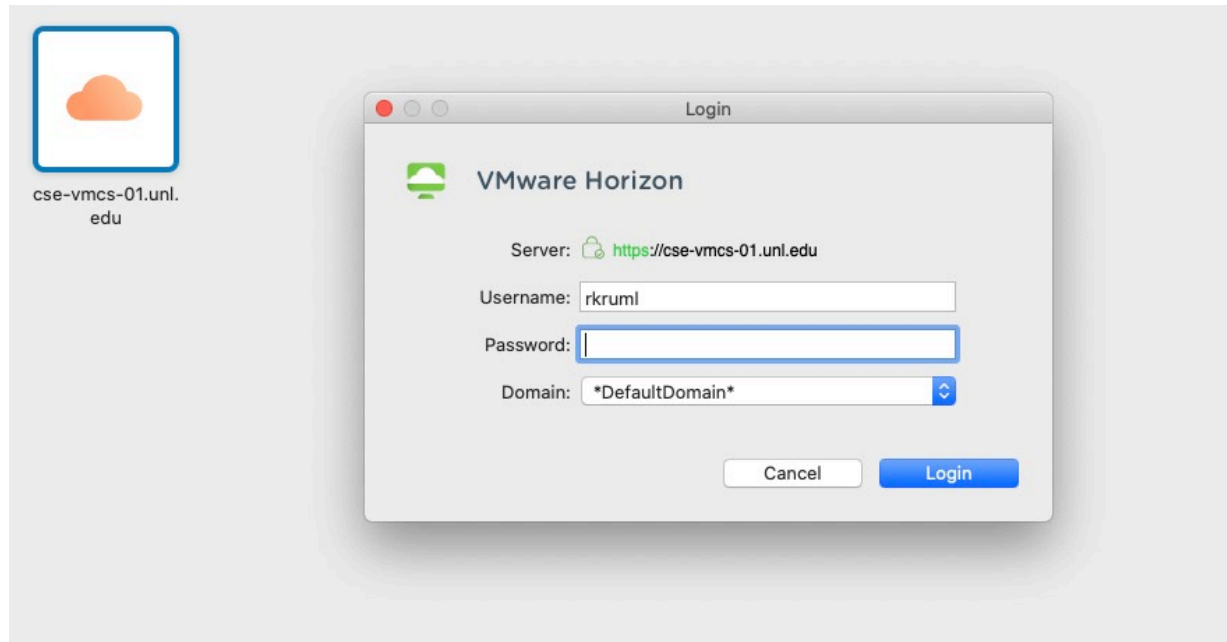
https://my.vmware.com/web/vmware/details?downloadGroup=CART21FQ1_WIN_540&productId=863

Access to VM

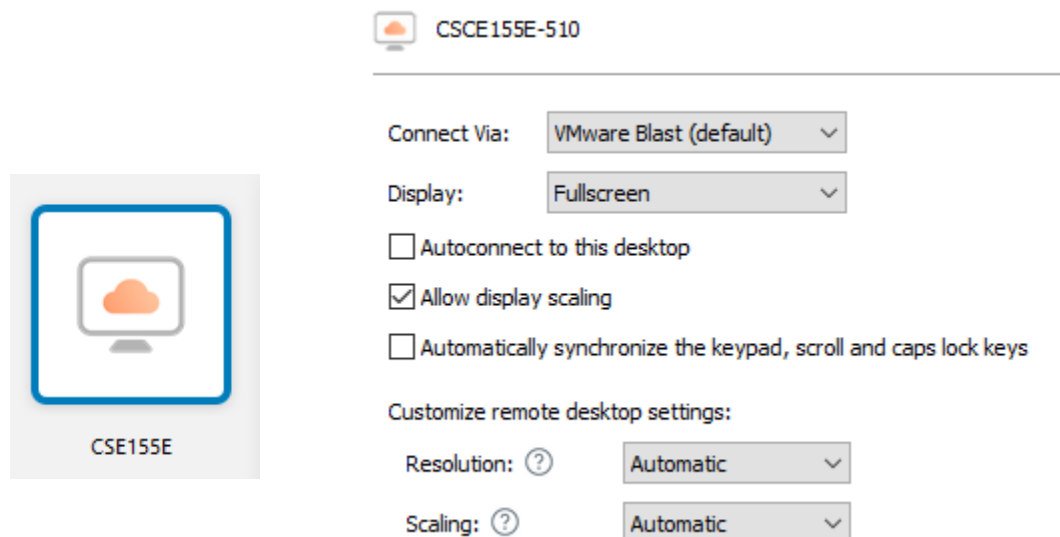
After you open Horizon Client, the first step is to add a New Server. The url to the server is: <https://cse-vmcs-01.unl.edu>



After you have added the connection to the server, you will need to login to the server with your CSE login and password. The domain will remain *DefaultDomain*. If you have not claimed your CSE login yet, please do so here <https://cse-apps.unl.edu/amu/login>



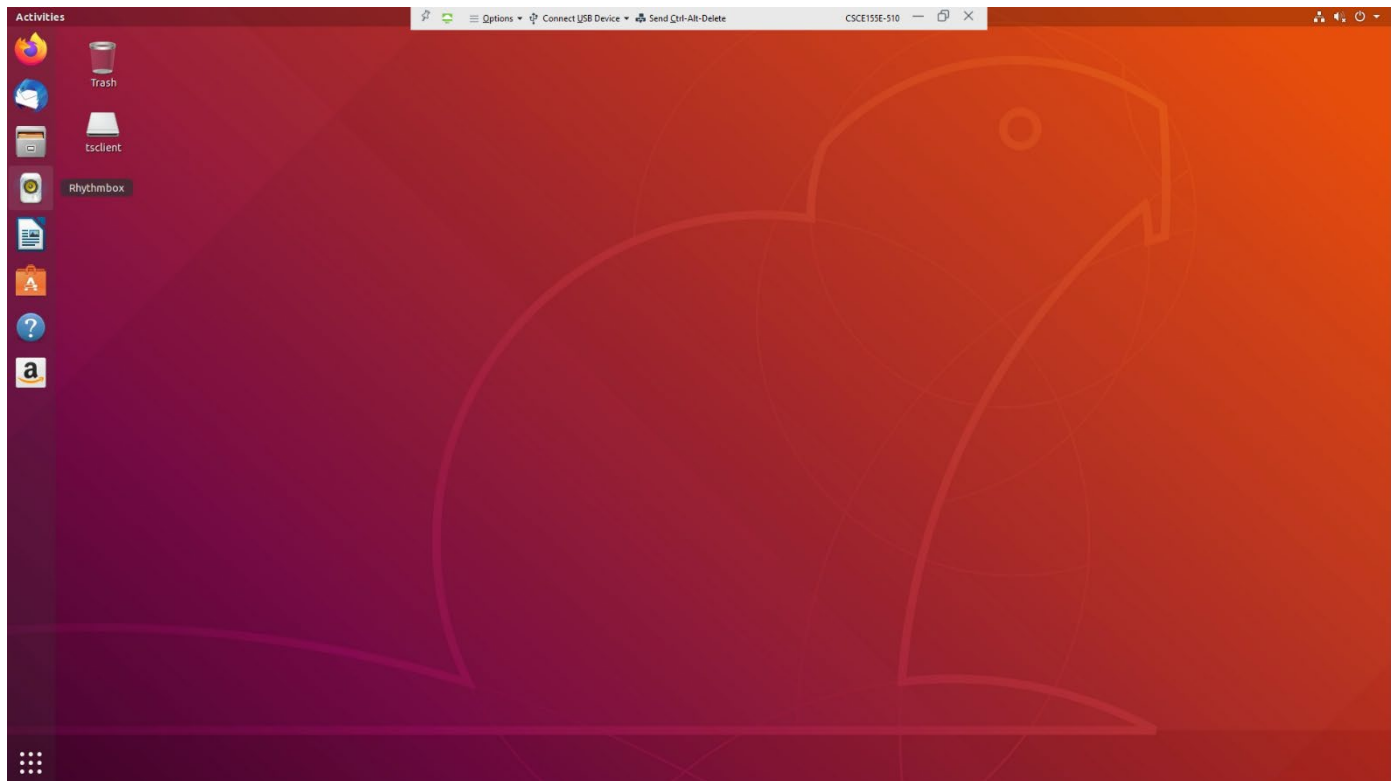
The CSCE155E-510 is the pool that we will be using. Before you connect for the first time, right-click the pool icon that looks like the one below and configure the settings. The recommended settings are displayed to the right. For Mac, the Display: Fullscreen setting is replaced with Full Screen: Use Single Display



Using the VM

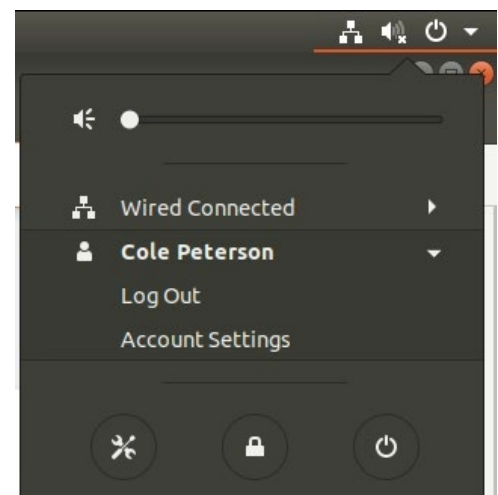
Double-click the pool icon to open your VM. To search for applications, you can use the Activities button in the top left to search for applications that you are currently running and to launch new applications. **Files** will let you browse the file system, **Terminal** will let you run commands in the command line to compile and run the labs and hacks, and **Atom** will let you edit the lab and hack files.

You can install additional software such as Notepad++ through the Firefox browser in the VM.



An important thing to note is that when you are finished with your VM, **please LOG OFF**

If you just disconnect or exit out of your VM, the VM will be left hanging and take up part of the quota for the connection server. To log off, click the arrow or power button in the top right. Click on your name and log off. If you need to log back in, the username and password is the same as your CSE login and password.



Additional Features

If you want to share a folder between your local machine and your VM, you can follow the documentation here for

Mac: <https://docs.vmware.com/en/VMware-Horizon-Client-for-Mac/4.5/com.vmware.horizon.mac-client-45-doc/GUID-CFB7E9B1-63E0-418A-8814-572296507783.html>

Windows: <https://docs.vmware.com/en/VMware-Horizon-Client-for-Windows/4.6/com.vmware.horizon.windows-client-46-install/GUID-CFB7E9B1-63E0-418A-8814-572296507783.html>