Networking Lab VMware Workstation Guide

**General:** This guide is an overview of using VMware Workstation 9 in the CECH Networking lab to open pre-built virtual machines, and to perform fresh installs of operating systems on a virtual machine. This guide is attended as a general reference, and is not a replacement of your Professor's instructions.

**Guide Quick Links:**

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Overview of Resources

Once you have logged into the computer using your UC credentials, you will come to a Desktop which looks similar to the picture below. Locate the **Computer** icon, and double click it.

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**Please Note:**

All work performed on this workstation is removed at the end of your work session.

Documents saved to the computer will be removed on Log Off. Please save your documents frequently to removable media such as flash drives, CDs, e-mail, or UC Filespace.

For your convenience, UC Filespace has been mapped to the i: drive which can be located under the ‘Computer’ Icon.

Protect Your Identity, Please Log Off!

Don’t forget to remove your flash drive.

- CECH Information Services Department
In the example below, there are three Hard Disc Drives. The two we will be focusing on are the **VM drive (D:)** and the **My Passport drive (F:)**. The D: drive is a read-only disc which has all the resources needed to create and open VM’s. The F: drive is the external hard drive that is mandatory for all IT students. Double click the D: drive to explore it.
On the root (top level) of the D: drive is a directory called **IT Lab Files**. Double click this directory to enter it.

Inside of this directory are three more folders. The two folders this guide covers are the **ISO** folder, and the **VMware** folder. The VMware folder has pre-built virtual machines, which will allow you to skip the installation stage of the operating system.

The ISO folder is a collection of ISO files, which are images of DVD or CD media. To learn more about ISO’s, try this link [here](#). If you would like to setup a VM from starch, you will need to use an ISO from this directory as your installation media. Those steps are covered later in this guide.
This is a view of the content inside the VMware folder. These are all the pre-built virtual machines IT students in the networking lab have access too. All of these folders and files are read-only, so they cannot be changed until they are copied to a new hard drive disc.

Here is a list of the categories of all the ISO’s in the networking lab. These also are read-only.
Opening a Pre-Built Virtual Machine.

Open Windows Explorer, and navigate to the external hard drive (F: drive). Create a folder to hold your virtual machine files. In the example below, the directory has been entitled, VM.

Open another Explorer window, and navigate to D:\IT Lab Files\VMware\.

Choose the virtual machine you wish to open, and copy the entire directory onto your external hard drive.

Select a directory and drag it onto your external hard drive.
Once the files have transferred to the external hard drive, open VMware Workstation 9.

Locate VMware Workstation in the Program list, and click it to launch the application.
On the Home page, locate the **Open a Virtual Machine** icon and click it.
A popup window will appear. Browse to the location of the pre-built Virtual machine you have just copied to the external hard drive. The location in the example below is: F:\VM’s\CentOS 6.2 VM\CentOS 6-2 BASE\CentOS 6-2

Once you have found the VM, click Open.

This is the path to the virtual machine folder that was just copied to the external drive.
VMware Workstation will add the computer to your Library. Click Power on this virtual machine.

This is the Library. It holds information about all the virtual machines associated to this VMware Workstation client.
It will prompt asking if the files were copied or moved. Choose **I copied it**.
The virtual machine will now boot up. Log in using the Administrator account (root for Linux) with the password: \texttt{pa$$w0rd}. Once you have copied the virtual machine contents to your external drive, you can alter any account, file, or setting on the virtual machine.
Creating a VM from an ISO

Open VMware Workstation 9. On the home page, locate the icon labeled, Create a New Virtual Machine, and click it.
A wizard will open. Leave the default selection, and click **Next**.
The new window will prompt asking about installation media. Locate the second radio button, and check **Installer disc image file (iso):** Then click the **Browse** button.
Browse to the location of the ISO you want. In the example below, the `Windows7_x86_64_SP1.iso` was selected. This ISO is located at: `D:\IT Lab Files\ISO\Microsoft\Windows 7`.

Once you have selected the ISO, click **Open**.
The window should look similar to the picture below (you may have chosen a different ISO). Click Next.
The next window will prompt for more information. Fill out the information as you please. You can skip the product key if you do not have it.

Click **Next** when ready.
The next window is asking where the virtual machine should be saved. Click the **Browse...** button.
A **Browse For Folder** window will appear. Navigate to the external hard drive (F:).
If you have created a directory to hold the virtual machines, browse to this folder. In the example below, the folder VM’s has been chosen. It is located at F:\VM’s.
Once you have selected the location, you will be back at this window. Click **Next** when ready.

Make sure the location is set to the external drive, and then click **Next**.
Another window will appear. Leave the defaults selected. Click Next.

Alter the settings as you’d like, and click Next.
The virtual machine will start, and begin to load from the ISO. You now can begin the operating system install, just as you would with a typical installation.