Network Directory Services Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ESXi Server Installation Lab

**Instructions:** This objective of this lab is for us to gain a better understanding of Type 1 hypervisors and how they function. In class, we will install VMWare ESXi Server onto our server and from there we will manage virtual machines.

**Section 1:** Installation of ESXi Server. Using the provided media, please run through the default steps of installing the hypervisor. Once installed, please write down the IP address of your machine here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ex: 10.158.100.1)

**Section 2**: Logging into ESXi Server. In this section we will explore the administrative side of managing the ESXi Server. Think of this like getting familiar with the technology.

Step 1 – Switch over to your workstation and inside of a web browser, type the IP address that you recorded in Section 1, into the address bar. Note: It will give a warning about how it is unsafe (HTTPS), which is okay. Navigate to it anyways.

Step 2 – Log into the web interface using the root user and the password you used during the installation process within Section 1. (Note: In the workplace or a production environment you would setup users and roles to follow good security practices)

Step 3 – If all goes well you should be logged in. Please write down some things you notice right away about the dashboard (ex. What are some of the categories? How useful is what you see?)

**Section 3**: Managing ESXi Server. Let’s try doing a task like creating a virtual machine.

Step 1 – Obtain the designated media to be used for the virtual machine (ex. Centos 7)

Step 2 – See if you can find where to setup a virtual machine and follow the steps it gives you to setup the virtual machine using the media selected in Step 1.

Step 3 – Run through the steps of installing the guest virtual machine. This may take some time.

Step 4 – Once installed, try using the virtual machine. Did it work? Y/N

**Section 4:** Review and assess by answering some questions: How did things go with setting up a Type-1 hypervisor compared to when we used a Type-2 hypervisor? What are some things you learned after completing the lab? Use back of this sheet if you need additional space.

**Section 5**: Instructor sign-off required: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_