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

**Ubuntu Server Installation/Setup Lab**

**Instructions**: The goal of this lab is for us to create a working learning environment, which will help us explore directory services and the roles they have in the technical environments we will be managing in the future.

**Server Operating System Installation**

For this lab, you will be provided with a USB thumb drive that has the installation media (ISO image) for installing Ubuntu Server. Using this media and your server workstation (computer on the left), boot from USB and run through the installation.

*Installation notes*:

* Overwrite anything previously installed on your hard drive.
* Use the entire volume space for installation.
* Use default settings (unless you know what you’re doing).

**Libraries/Services to Install**

Apt-Transport-Https / CA-Certificates (things needed for other services)

sudo apt-get install apt-transport-https ca-certificates

CURL (if not installed already)

sudo apt-get install curl

Docker – Container technology solution we have used before. To install run the following:

curl --sSL https://get.docker.com/ | sh

OpenLDAP – LDAP is one example directory service we will be exploring.

sudo apt-get install slapd ldap-utils libnss-ldap

1. Say yes when prompted.
2. Supply Administrator Password (Ex. Password1)
3. LDAP Server: (ex. 127.0.0.1)
4. Use: dc=<yourlastname>,dc=net (ex. maximus)
5. Use: version 3
6. Say Yes to root database admin (Okay for testing purposes)
7. Say No to LDAP needing login.
8. Change line to match what you used in Step 4. For example,

cn=admin,dc=maximus,dc=net

1. Use the same password you used in Step 2.

Once installed, you can type `ldap` and then press the tab key to see what you get when you install things.

We will explore OpenLDAP more in-depth soon.