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

**OpenLDAP and php LDAP admin Installation**

**Instructions**: This activity is designed for you to finalize the installation of OpenLDAP, get it running on your linux server, and to install a web GUI to help you manage things visually.

*Disclosure*: The instructor installed both services, but isn’t sure exactly what all the steps were to get it running. This is a common problem that happens in industry far too many times. One way this problem is solved is through the use of IT Automation tools or writing scripts, which we can save for the next time we need to install these services.

**Section 1: OpenLDAP Installation.**  First, we need to make sure that we have OpenLDAP installed and configured just right. As a guide of steps to follow, use the following reference as a starting point: <https://goo.gl/l0Y0E2> for your installation process. Once you feel like things are installed, then try interacting with SLAPD (Stand-alone LDAP Daemon), which is the service itself that runs in the background on our server. Please run the following command: *sudo slapcat* and briefly describe the results you see:

**Section 2: PHP LDAP Admin installation.** Second, we need to install this. See the reference above on how to install this if you need help. Once you have this working, please perform the following tasks:

1. Access the following in a web browser: http://localhost/phpldapadmin
2. Create a posix group using Group ID of 9300.
3. Create a few posix users using this group (you can use your own if you like):
   * Maximus Prime (mprime)
   * Optimus Prime (oprime)
   * Bumble Bee (bumbleb)
4. Verify you can login using one of these users in the terminal (ex. su oprime):

Were you able to login? Y/N

Can you create a file in your regular user’s home directory? Y/N

1. Continue exploring the web interface here.

Instructor sign-off: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Instructor mentionable.** Per the disclaimer, a few things that can be said here:

Keep in mind you may need to modify multiple files to get this working, so make sure you check the files that are mentioned in the reference:

The */etc/ldap/ldap.conf* file contains a couple important lines worth mentioning:

BASE dc=maximus,dc=net #This should match what yours is

URI ldap://ldap.maximus.net ldap://ldap.maximus.net:666 #no sure if it’s needed, but okay…

When it came to SSL…I ended up having to disable it, which I ran: *sudo a2dismod ssl*  Try getting it to work first by following the steps in the reference, but if that doesn’t work then go ahead and disable it.

The user you use to login to PHP LDAP Admin should be the same one you set the htpasswd with.