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

**OpenLDAP/ThunderBird Address Book Lab**

**Learning activity summary:** The purpose of this lab is for you to see how LDAP is used in a variety of different ways. For this lab, we will put our focus on how it is used in email client applications. Using Thunderbird (an email client that comes native with Ubuntu), you should be able to get it to read some information, which we have previously created in past lab activities. Please complete each of the sections below completely using as much detail as necessary to fully convey your thoughts. Also, please have PHP LDAP Admin open as you work through this lab.

**Section 1: Explore Thunderbird.** This is a commonly used email client. Think of it as an alternative to Microsoft Outlook. Note: If it asks you to synchronize with an email account…just skip through it. Our main focus is just one the LDAP functionality of Thunderbird.

*What is something you like about Thunderbird?*

*What is something you do not like about Thunderbird?*

**Section 2: Navigate to the Address Book within Thunderbird.** Hopefully you came across this during your exploration of it in the previous section!

**Section 3: Create a new LDAP directory.** This is where we put our LDAP server to work. In the file menu, you want to create a New LDAP Directory, then complete the following steps:

1. Insert your pertinent information into the fields.

Below are some observations the instructor saw:

* Name – Example: gladiators (doesn’t seem to matter too much)
* Hostname – Example: ldap.maximus.net (you can set one up in /etc/hosts to just point it to 127.0.0.1)
* Base DN – Example: ou=gladiators,dc=maximus,dc=net
* Port number – 389 (default…didn’t have to change it)
* Bind DN – Example: cn=admin,dc=maximus,dc=net

1. In the Offline Tab, click download now, and insert your password when asked. *How do you know if it worked or not?*

**Section 4: Let’s see this in action.** While still in the address book and having the directory you successfully created in the previous step, complete the following steps:

1. Try searching for one of your users inside of the organizational unit (ou) you specified in the configuration within the previous section steps. *What happened as you typed?*
2. Using the knowledge, you have already learned, try creating a few new users (ex. using PHP LDAP Admin) and then going back to the address book within Thunderbird to see if the listing gets updated automatically or if you have to re-download to get it to resynchronize. Observe your findings below:

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