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

**OpenLDAP/Ekiga Softphone Address Book**

**Instructions:** The goal of this learning activity is to get you to explore another use case for LDAP, which is to connect to the LDAP directory service to search for and be able to use phone numbers of users in the listing. Follow each section in order and complete all tasks as they are mentioned.

**Section 1: Install Ekiga.** Run the following command to install:

*sudo apt-get install ekiga*

**Section 2: Running Ekiga.** Find the Ekiga application on your system and run it. Next, navigate to the address book, and then add an LDAP Address Book. Lastly, you will need to configure some LDAP settings. Below is an example:

Book name: technical services

Server URI: ldap://localhost:389

Base DN: ou=technical services,dc=maximus,dc=net

Search scope: Subtree

DisplayName attribute: cn

Call attributes: telephoneNumber

Filter template: (cn=$)

Bind ID: cn=admin,dc=maximus,dc=net

Password: <your infinitely superior super secure secret password>

Boxes: All boxes left unchecked

SASL mechanism: <default>

Note: Be sure that all your users have the telephoneNumber attribute!!! If your user account does not have this attribute, then you will need to add it, either by using phpLDAPadmin or having to modify the user account using the ldapmodify command.

**Section 3: Searching for a user.** Within the address book, try searching for one of the users in the organizational unit and make note of what you see below:

Note: If you don’t see a user, you will need to troubleshoot why before moving onto the next section.

**Section 4: Adding the user to the list of contacts.** Try double clicking on a user account and document what you observe below:

**Section 5: Place your user in an appropriate contact group.** Feel free to create a new one or use an existing one if you wish.

**Section 6: Learning reflection.** Now that you have seen another use case for LDAP, take some time to reflect on what the pros and cons are for using a directory service like LDAP. Make a list of three of each below or on the back of this sheet of paper.

**Section 7: Mission accomplished.** Great job future sys admin!Have the instructor verify by initialing here: \_\_\_\_\_\_