LDAP Appreciation

Introduction and/or Background
phpLDAPadmin (also known as PLA) is a web-based LDAP client. It provides easy, anywhere-accessible, multi-language administration for your LDAP server.

Objectives
In this project/lab the student will:
- Gain familiarity with phpLDAPadmin

Equipment/Supplies Needed
- As specified in Lab 0.0.1.
- Use linux VMs: VMSVR1 and VMPC1

Procedure
Perform the steps in this lab in the order they are presented to you. Answer all questions and record the requested information. Use the Linux Virtual Machine to perform lab activities as directed. Unless otherwise stated, all tasks done as a root user. If root access is needed use the sudo or su command.

Assignment

Server

Power on the Debian Server (if necessary) and access the CLI.

Install LAPD:

1 sudo apt-get update
2 sudo apt-get install slapd ldap-utils libldap-common ufw

You will be asked to provide a password. Use Password1.

Reconfigure the LDAP package:

3 sudo dpkg-reconfigure slapd
    3.a   Select NO to database
    3.b   Domain Name: example.com
    3.c   Organization name: Example Incorporated
    3.d   Password: Password1

3.e   Purge request select YES

3.f   Move request select YES

Open the firewall port for LDAP.

4   sudo ufw allow ldap

Install phpldapadmin by:

5   Perform the following:

wget http://ftp.de.debian.org/debian/pool/main/p/phpldapadmin/phpldapadmin_1.2.6.3-0.3_all.deb
sudo dpkg -i phpldapadmin_1.2.6.3-0.3_all.deb

The .deb install will complain about dependencies.

apt-get install -f

The PHPldapadmin config.php file should already have the correct entries and thus should not need to be changed.

Note the IPv4 address of the server.

6   ip ad

Take a screenshot of the output.

Desktop

Power on VMPC1 (if necessary) and access the GUI.

1   Open Terminal and ping VMSVR IPv4 address.

2   Open Firefox browse to <VMSVR IP>/phpldapadmin

3   Click login

4   Enter the admin password.

5   Expand dc=example,dc=com (1)

You will receive a series of start up errors from the app. Repeat step 5 again to clear the errors.

Take a screenshot of the phpLDAPadmin page.

Rubric

Checklist/Single Point Mastery

Concerns Working Towards Proficiency	Criteria Standards for This Competency	Accomplished Evidence of Mastering Competency
	Criteria #1: Screenshot showing IP information screen. (50 points)	
	Criteria #2: Screenshot showing phpLDAPadmin page (50 points)	