

Date
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N/ceerog Appen 1800

Linux Practice - 02

* Aim - Configure LDAP Server. Configure LDAP server in order to share users accounts in your local networks. Add LDAP User Accounts in OpenLDAP Server. Configure LDAP client in order to share user accounts in your local networks. Install phpldapadmin to Operate LDAP server via web browser.

* Description

1) Explain LDAP -
2) Lightweight Directory Access Protocol (LDAP) is a software protocol for enabling anyone to locate data organizations, individuals and other resources such as files and devices in network whether on public Internet or on corporate Intranet.

2) Explain phpldapadmin -

1) phpldapadmin is a web app for administering lightweight directory access protocol (LDAP) server. It's written in the php programming language and is licensed under GNU General public license. The application is available in the language and support UTF-8 encoded directory strings.

3) Steps

1) Install slapd - Stand alone LDAP daemon

```
$ sudo apt-get update
```

```
$ sudo apt-get install slapd ldap-utils
```


- 2) Validate the Slapd status - Systemctl Status Slapd
- 3) Configure the OpenLDAP server post installation
sudo dpkg-reconfigure slapd
 - 1) Unit open LDAP Configuration
 - 2) DNS domain name
 - 3) Organisation name
 - 4) Administrator password
 - 5) Database
 - 6) Do you want to remove the database during purge
 - 7) Move old database
 - 8) Allow LDAPv2 protocol
- 4) Configure LDAP clients - sudo nano/etc/ldap/ldap.conf
- 5) Testing the server - ldapsearch -x
- 6) Installing phpldapadmin - sudo apt install phpldapadmin
- 7) Configure phpldapadmin - sudo nano/etc/phpldapadmin/config.php
- 8) Login to phpldapadmin v/c
your-ip-address / phpldapadmin
Ex 192.168.173.11 / phpldapadmin

Machine View

Activities Terminal Okt 17 10:18

onworks

Trash

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~  
Preparing to unpack .../automake_1%3a1.16.1-4ubuntu6_all.deb ...  
Unpacking automake (1:1.16.1-4ubuntu6) ...  
Setting up autotools-dev (20180224.1) ...  
Setting up libsigsegv2:amd64 (2.12-2) ...  
Setting up m4 (1.4.18-4) ...  
Setting up autoconf (2.69-11.1) ...  
Setting up automake (1:1.16.1-4ubuntu6) ...  
update-alternatives: using /usr/bin/automake-1.16 to provide /usr/bin/automake (automake)  
in auto mode  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for install-info (6.7.0.dfsg.2-5) ...  
Processing triggers for libc-bin (2.31-0ubuntu9) ...  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ sudo apt-get update  
Hit:1 http://de.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://de.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://de.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease  
Reading package lists... Done  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ sudo apt-get install slapd ldaputils  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
E: Unable to locate package ldaputils  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$
```

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