Install OpenLDAP

Step 1: Install OpenLDAP #sudo apt-get install slapd Idap-utils step 2: Login as root #sudo su Step3: Configure OpenLDAP #nano /etc/ldap/ldap.conf Make sure the file looks as follows: # LDAP Defaults # see Idap.config(5) for details # This file should be world readable but not world writable. BASE dc=ldap,dc=com URI Idap://localhost:389 #SIZELIMIT 12 #TIMELIMIT 15 #DEREF NeVER # TLS certificates (needed for GnuTLS) TLS_CACERT /etc/ssl/certs/ca-certificates.crt Save the file and exit Step 4: Reconfigure the slapd with the updated values #dpkg-reconfigure slapd select "No" and Press Enter Enter the DNS Domain Name Idap.com Enter the Organization Name: Enter any name e.g IT610

Enter the LDAP admin Password

Select the backend Database Choose "HDB"

On the next screen select "No" click Yes to Move the Old Database Select "No" under LDAPv2 Protocol

PART -B LDAP Server Administration Install phpldapadmin Package #apt-get install phpldapadmin #nano /etc/phpldapadmin/config.php

#get IP address of your machine (For AWS, use the private IP) #ipaddress

Edit the following value
 Set your LDAP server name
 \$server->setValue('server', 'name', Anand LDAP Server');

Set your LDAP server IP address
\$server->setValue('server','host','IP-Address');

set Server domain name
\$server->setValue('server','base',array('dc=ldap,dc=com'));

Set Server domain name again \$server->setValue('login','bind_id','cn-admin,dc-ldap,dc-com')

\$config->custom->appearance['hide_template_warning'] = true;

Exit the file

#systemctl restart apache2

Open Web browser http://IP-Address/phpldapadmin

Login into OpenLdap and set up organizations, groups and users

- 2. Then set up a few more packages to connect to ldap server. #sudo apt-get install libpam-ldap nscd
 - in the prompt, remove one forward slash and set the ip address

- Enter your ldap server name
- Ldap server version to use, select 3
- Make local root database admin: Yes
- Require login? No
- Set you Idap account for root (cn=admin,dc=Idap,dc=com)
- Enter Idap root account password

Edit the following file #sudo nano /etc/nsswitch.conf

Add Idap word on from of compat as the fallowing:

Edit the following file

#sudo nano /etc/pam.d/common-session

add this line at the end:

session required pam_mkhomedir.so skel=/etc/skel umask=0022

Restart the service:

#sudo /etc/init.d/nscd restart

download ssh if needed #sudo apt-get install ssh

In order for openIdap users to login to AWS the public key has to be saved in the Idap user directory.

In the console login in AWS using the Ubuntu username

#mkdir.ssh

#chmod 700 .ssh

#touch .ssh/authorized_keys

#chmod 600 .ssh/authorized keys

Generate public key for the user. Open a second terminal find the directory of your private key.

#ssh-keygen -y

Copy the generated publick key and in the previous terminal

#nano .ssh/authorized keys

Paste the public key and save and exit.

This openIdap user now will be able to log into AWS now.

Then test your Idap user by try to log: #ssh ajohn@IPaddress

--add user to sudo #sudo adduser username sudo

--change user password #sudo passwd username

Set up quota

apt-get install quota quotatool
touch quota.user quota.group
chmod 600 quota.user
chmod 600 quota.group
mount -o remount /
sudo quotacheck -mavug
edquota -u ajohn
repquota -u /