**OpenLdap**

**Server:**

192.168.195.129

server.yoav.com

[root@linux1 ~]# yum -y install openldap\* migrationtools

[root@linux1 ~]# slappasswd

New password:

Re-enter new password:

{SSHA}DL5VRuYCiz0NLvMlm6RXD55u4OYFfMCQ

[root@linux1 ~]# cd /etc/openldap/slapd.d/cn=config

[root@linux1 cn=config]# vi olcDatabase={2}hdb.ldif

olcSuffix: dc=learnitguide,dc=net

olcRootDN: cn=Manager,dc=learnitguide,dc=net

olcRootPW: {SSHA}z+Fdv4O4rFD/pX8K2cylN78etiN1cw88

olcTLSCertificateFile: /etc/pki/tls/certs/yoavldap.pem

olcTLSCertificateKeyFile: /etc/pki/tls/certs/yoavldapkey.pem

[root@linux1 cn=config]# vi olcDatabase={1}monitor.ldif

olcAccess: {0}to \* by dn.base="gidNumber=0+uidNumber=0,cn=peercred,cn=external, cn=auth" read by dn.base="cn=Manager,dc=learnitguide,dc=net" read by \* none

[root@linux1 cn=config]# slaptest -u

56abba86 ldif\_read\_file: checksum error on "/etc/openldap/slapd.d/cn=config/olcDatabase={1}monitor.ldif"

56abba86 ldif\_read\_file: checksum error on "/etc/openldap/slapd.d/cn=config/olcDatabase={2}hdb.ldif"

config file testing succeeded

[root@linux1 cn=config]# openssl req -new -x509 -nodes -out /etc/pki/tls/certs/yoavldap.pem -keyout /etc/pki/tls/certs/yoavldapkey.pem -days 365

Country Name (2 letter code) [XX]:IS

State or Province Name (full name) []:Haifa

Locality Name (eg, city) [Default City]:Haifa

Organization Name (eg, company) [Default Company Ltd]:Yoav

Organizational Unit Name (eg, section) []:YB

Common Name (eg, your name or your server's hostname) []:server.yoav.com

Email Address []:root@server.yoav.com

[root@linux1 cn=config]# ll /etc/pki/tls/certs/\*.pem

-rw-r--r--. 1 root root 1704 Jan 8 14:52 /etc/pki/tls/certs/learnitguideldapkey.pem

-rw-r--r--. 1 root root 1497 Jan 8 14:52 /etc/pki/tls/certs/learnitguideldap.pem

[root@linux1 cn=config]# systemctl start slapd

[root@linux1 cn=config]# systemctl enable slapd

[root@linux1 cn=config]# netstat -lt | grep ldap

tcp 0 0 0.0.0.0:ldap 0.0.0.0:\* LISTEN

tcp6 0 0 [::]:ldap [::]:\* LISTEN

[root@linux1 cn=config]# cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG

[root@linux1 cn=config]# chown -R ldap:ldap /var/lib/ldap/

[root@linux1 cn=config]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/cosine.ldif

[root@linux1 cn=config]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/nis.ldif

[root@linux1 cn=config]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/inetorgperson.ldif

[root@linux1 cn=config]# cd /usr/share/migrationtools/

[root@linux1 migrationtools]# vi migrate\_common.ph

$DEFAULT\_MAIL\_DOMAIN = "learnitguide.net"; --> line 71

$DEFAULT\_BASE = "dc=learnitguide,dc=net"; --> line 74

$EXTENDED\_SCHEMA = 1; --> line 90

[root@linux1 migrationtools]# vi /root/base.ldif

dn: dc=yoav,dc=com

objectClass: top

objectClass: dcObject

objectclass: organization

o: yoav com

dc: yoav

dn: cn=Manager,dc=yoav,dc=com

objectClass: organizationalRole

cn: Manager

description: Directory Manager

dn: ou=People,dc=yoav,dc=com

objectClass: organizationalUnit

ou: People

dn: ou=Group,dc=yoav,dc=com

objectClass: organizationalUnit

ou: Group

[root@linux1 migrationtools} # useradd ldapuser1

[root@linux1 migrationtools} # useradd ldapuser2

[root@linux1 migrationtools] # echo "redhat" | passwd --stdin ldapuser1

[root@linux1 migrationtools] # echo "redhat" | passwd --stdin ldapuser2

[root@linux1 migrationtools]# grep ":10[0-9][0-9]" /etc/passwd > /root/passwd

[root@linux1 migrationtools]# grep ":10[0-9][0-9]" /etc/group > /root/group

[root@linux1 migrationtools]# ./migrate\_passwd.pl /root/passwd /root/users.ldif

[root@linux1 migrationtools]# ./migrate\_group.pl /root/group /root/groups.ldif

[root@linux1 migrationtools]# ldapadd -x -W -D "cn=Manager,dc=yoav,dc=com" -f /root/base.ldif

[root@linux1 migrationtools]# ldapadd -x -W -D "cn=Manager,dc=yoav,dc=com" -f /root/users.ldif

[root@linux1 migrationtools]# ldapadd -x -W -D "cn=Manager,dc=yoav,dc=com" -f /root/groups.ldif

[root@linux1 migrationtools]# ldapsearch -x cn=ldapuser1 -b dc=yoav,dc=com

[root@linux1 migrationtools]# ldapsearch -x -b 'dc=yoav,dc=com' '(objectclass=\*)'

[root@server ~]# firewall-cmd --get-services | grep nfs --color

[root@server ~]# firewall-cmd --add-service=nfs

[root@server ~]# firewall-cmd --add-service=nfs --permanent

[root@linux1 ~]# vi /etc/exports

/home \*(rw,sync)

[root@linux1 ~]# yum -y install rpcbind nfs-utils

[root@linux1 ~]# systemctl start rpcbind

[root@linux1 ~]# systemctl start nfs

[root@linux1 ~]# systemctl enable rpcbind

[root@linux1 ~]# systemctl enable nfs

[root@linux1 ~]# showmount -e

Export list for linux1.learnitguide.net:

/home \*

client

192.168.195.130

client.yoav.com

[root@linux2 ~]# setenforce 0

[root@linux2 ~]# yum install -y openldap-clients nss-pam-ldapd

[root@linux2 ~]# authconfig-tui

[root@linux2 ~]# getent passwd ldapuser1

ldapuser1:x:1000:1000:ldapuser1:/home/ldapuser1:/bin/bash

server.yoav.com:/home /home auto \_netdev 0 0

mount -a

vi /etc/auto.master

add --> /home /etc/auto.autofs

vi /etc/auto.autofs

\* -fstype=auto,rw,sync server:/home/&