

LDAP??-1. ????????

?????

1. OS : Centos 6.5
2. LDAP 서버 IP : 192.168.10.10
3. LDAP 클라이언트 IP : 192.168.100.10
4. LDAP root dn(서버명 서버명) : Manager (클라이언트명 클라이언트명)

LDAP ?? ??

1. 서버명 클라이언트명

```
$> yum install openldap-servers openldap-clients -y
```

2. 클라이언트명 서버명

```
$> cp /usr/share/openldap-servers/slapd.conf.obsolete /etc/openldap/slapd.conf
```

3. 서버명 클라이언트명 서버명

```
$> slappasswd
$> New password:
$> Re-enter new password:
{SSHA}qZsVpahyjRbub0KXgtaNuLs11JGMud/G
* 서버명 클라이언트명 서버명 서버명.
```

4. 클라이언트명 서버명

```
$> vi /etc/openldap/slapd.conf
...
my-domain test.co.kr
...
rootpw #서버명 클라이언트명 서버명
```

5. DB

```
$> cp /usr/share/openldap-servers/DB_CONFIG.example /var/lib/ldap/DB_CONFIG
```

6.

```
$> rm -rf /etc/openldap/slapd.d/*
```

7.

```
$> cat /root/root.ldif
dn: dc=my-domain,dc=com
dc: my-domain
objectClass: dcObject
objectClass: organizationalUnit
ou: my-domain.com

dn: ou=people,dc=my-domain,dc=com
ou: people
objectClass: organizationalUnit

dn: ou=groups,dc=my-domain,dc=com
ou: groups
objectClass: organizationalUnit
```

8. DB

```
$> slapadd -v -n 2 -l /root/root.ldif
```

9.

```
$> slaptest -f /etc/openldap/slapd.conf -F /etc/openldap/slapd.d
```

10.

```
$> chown -R ldap:ldap /var/lib/ldap
$> chown -R ldap: /etc/openldap/slapd.d/
```

11. LDAP

```
$> echo "local4.* /var/log/slapd/slapd.log" >> /etc/rsyslog.conf
$> /etc/init.d/rsyslog restart
```

```
# ... .. , ... ..
```

12. logrotate (/etc/logrotate.d/syslog)

```
... - /var/log/slapd/slapd.log
```

13. ... /

```
$> /etc/init.d/slapd start  
$> chkconfig slapd on
```

14.

```
$> netstat -antp | grep slap  
tcp        0      0 0.0.0.0:389          0.0.0.0:*          LISTEN  
          1339/slapd  
tcp        0      0 :::389              :::*               LISTEN  
          1339/slapd
```

SSL??? ldap????

- (SSL ... ldap) example.pem
... key... .

1.

```
$> openssl req -new -x509 -nodes -out /etc/pki/tls/certs/example.pem -keyout  
/etc/pki/tls/certs/examplekey.pem -days 365
```

2.

```
$> chown -R :ldap /etc/pki/tls/certs/example*
```

3. /etc/openldap/slapd.conf

```
$> cat /etc/openldap.slapd.conf  
TLSCertificateFile /etc/pki/tls/certs/example.pem  
TLSCertificateKeyFile /etc/pki/tls/certs/examplekey.pem  
TLSCACertificatePath ... ..
```

4. LDAPS ...

```
$> vi /etc/sysconfig/ldap
...
SLAPD_LDAPS=yes
```

5. `netstat` `tcp/636` `listen`

```
$> netstat -antp | grep slapd | grep :636
tcp        0      0 0.0.0.0:636          0.0.0.0:*           LISTEN
        1339/slapd
tcp        0      0 :::636              :::*                 LISTEN
        1339/slapd
SSL: 636, 389
```

LDAP ??? ??????????

1. `nfs-utils` `install`

```
$> yum install nfs-utils* -y
```

2. NFS `exports`

```
$> cat /etc/exports
/home 192.168.100.10(rw,no_root_squash)
```

3. NFS `rpcbind` `rpcidmapd` `nfs` `chkconfig`

```
$> /etc/init.d/rpcbind start
$> /etc/init.d/rpcidmapd start
$> /etc/init.d/nfs start
$> chkconfig rpcbind on
$> chkconfig rpcidmapd on
$> chkconfig nfs on
```

4. `nfs` `showmount`

```
$> showmount -e localhost
Export list for localhost:
/home 192.168.10.10
```