

# Ldap 설치 가이드

이 문서는 LDAP 설치 가이드를 공유하기 위해 작성되었다.

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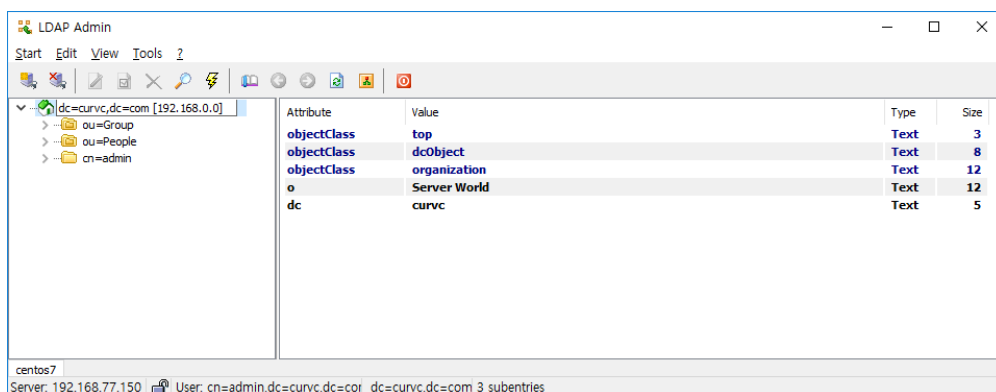
## Ubuntu

### Install

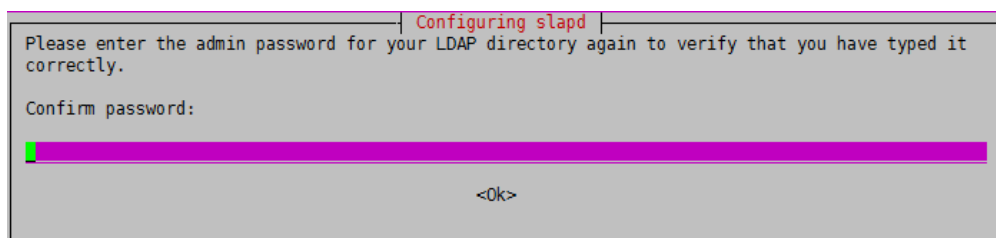
slapd 설치를 합니다.

```
sudo apt-get install slapd
```

slapd 관리자 패스워드를 입력 합니다.



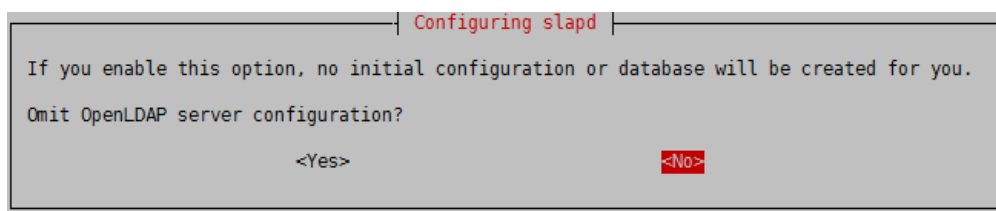
다시한번 패스워드를 입력 합니다.



slapd 설정을 재 설정 합니다.

```
sudo dpkg-reconfigure slapd
```

Yes를 선택하면 ldap 설정을 생략하기 때문에 No를 선택 합니다.



DNS 도메인을 입력합니다.(ex : DN주소 dc=curvc,dc=com)

Configuring slapd

The DNS domain name is used to construct the base DN of the LDAP directory. For example, 'foo.example.org' will create the directory with 'dc=foo, dc=example, dc=org' as base DN.

DNS domain name:

curvc.com

<Ok>

Base DN의 이름을 입력합니다.(ex: 회사 or 부서)

Configuring slapd

Please enter the name of the organization to use in the base DN of your LDAP directory.

Organization name:

curvc

<Ok>

slapd 관리자 패스워드를 입력합니다.

Configuring slapd

Please enter the password for the admin entry in your LDAP directory.

Administrator password:

\*\*\*\*\*

<Ok>

다시 한번 패스워드를 입력합니다.

Configuring slapd

Please enter the admin password for your LDAP directory again to verify that you have typed it correctly.

Confirm password:

<Ok>

Database는 어떤걸로 설정 할지 정합니다.(기본 추천은 HDB 입니다.)

Configuring slapd

The HDB backend is recommended. HDB and BDB use similar storage formats, but HDB adds support for subtree renames. Both support the same configuration options.

In either case, you should review the resulting database configuration for your needs. See /usr/share/doc/slapd/README.DB\_CONFIG.gz for more details.

Database backend to use:

BDB

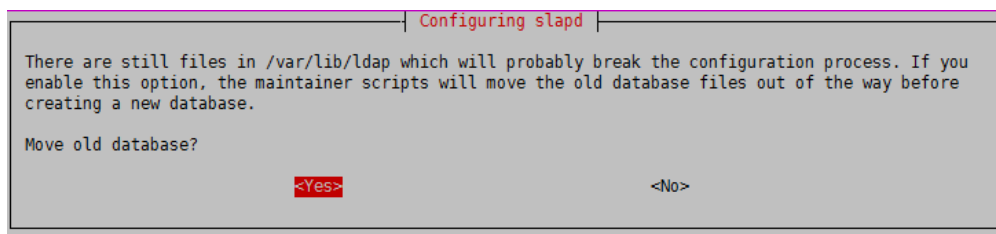
HDB

<Ok>

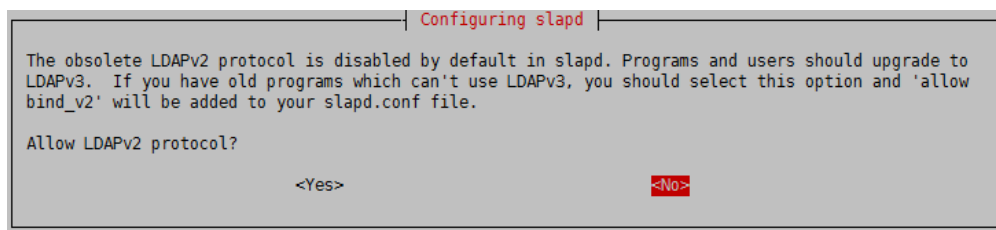
slapd를 삭제 할때 Database 정보까지 삭제를 안 하도록 선택 합니다.



기존 설정들을 이동 하도록 선택 합니다.



LDAPv3 Protocol 만 들어오도록 설정을 안 합니다.



## CentOS 7

### Install

openldap을 yum 으로 설치 합니다.

```
yum install -y openldap*
```

slapd를 서비스를 시작 합니다.

```
systemctl start slapd.service
systemctl enable slapd.service
```

slapd 패스워드 등록

```
slappasswd
New password:
Re-enter new password:
{SSHA}fvEBG14rJvKy+ROY2tQJseKCFf2VNxnU
```

db.ldif 파일 생성 후 아래 코드 입력 후 Ldap에 import 한다.

```
vi db.ldif
dn: olcDatabase={0}config,cn=config
changetype: modify
replace: olcRootPW
olcRootPW: {SSHA}fvEBG14rJvKy+ROY2tQJsEkCff2VNxnU
:wq!

ldapmodify -Y EXTERNAL -H ldapi:/// -f db.ldif
```

Ldap 스키마를 추가 한다.

```
ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/cosine.ldif
ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/nis.ldif
ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/inetorgperson.ldif
```

domain.ldif 파일 생성 후 아래 코드 입력 후 Ldap에 Import 한다.

```
vi domain.ldif
dn: olcDatabase={2}hdb,cn=config
changetype: modify
replace: olcSuffix
olcSuffix: dc=curvc,dc=com

dn: olcDatabase={2}hdb,cn=config
changetype: modify
replace: olcRootDN
olcRootDN: cn=admin,dc=curvc,dc=com

dn: olcDatabase={2}hdb,cn=config
changetype: modify
add: olcRootPW
olcRootPW: {SSHA}fvEBG14rJvKy+ROY2tQJsEkCff2VNxnU

dn: olcDatabase={2}hdb,cn=config
changetype: modify
add: olcAccess
olcAccess: {0}to attrs=userPassword,shadowLastChange by
    dn="cn=admin,dc=curvc,dc=com" write by anonymous auth by self write by * none
olcAccess: {1}to dn.base="" by * read
olcAccess: {2}to * by dn="cn=admin,dc=curvc,dc=com" write by * read
:wq!

ldapmodify -Y EXTERNAL -H ldapi:/// -f domain.ldif
```

basedomain 파일 생성 후 아래 코드 입력 후 Ldap에 import 한다. Import시 패스워드를 묻는다 초기 slapasswd 를 입력 한다.

```

vi basedomain.ldif
dn: dc=curvc,dc=com
objectClass: top
objectClass: dcObject
objectclass: organization
o: Server World
dc: curvc

dn: cn=admin,dc=curvc,dc=com
objectClass: organizationalRole
cn: admin
description: Directory Manager

dn: ou=People,dc=curvc,dc=com
objectClass: organizationalUnit
ou: People

dn: ou=Group,dc=curvc,dc=com
objectClass: organizationalUnit
ou: Group
:wq!

ldapadd -x -D cn=admin,dc=curvc,dc=com -W -f basedomain.ldif

```

LDAP Admin Tool를 이용해서 접속해 본다. (<http://www.ldapadmin.org/download/ldapadmin.html>)

Connection properties

Connection name: centos7

General Options Attributes

Connection:

Host: 192.168.0.0 Port: 389 Version: 3

Base: dc=curvc,dc=com Fetch DNS

☒ Simple authentication
 ☐ SSL
 ☐ TLS
 ☐ GSS-API
 ☐ SASL

Account

Username: cn=admin,dc=curvc,dc=com

Password: •••••

☐ Anonymous connection

Test connection OK Cancel

LDAP 구성이 된 것을 확인 할 수 있다.

LDAP Admin

Start Edit View Tools ?

dc=curvc,dc=com [192.168.0.0]

- ou=Group
- ou=People
- cn=admin

Attribute	Value	Type	Size
objectClass	top	Text	3
objectClass	dcObject	Text	8
objectClass	organization	Text	12
o	Server World	Text	12
dc	curvc	Text	5

centos7

Server: 192.168.77.150 User: cn=admin,dc=curvc,dc=com dc=curvc,dc=com 3 subentries