

🌐 IT 네트워크 시스템 *IT Network Systems Administration*

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❖ - Worldskills Korea - Assessment Task (IT Network Systems) - [Written by NullBins]

- By default, the commands are executed as a root user.

[Project-1] <🐧 Linux Environments>

7. LDAP 서버 구성 (LDAP Service Configuration)

- 🔒 DAE-SRV에서 LDAP 서버 구성 구성 시 패키지 도구는 SLAPD를 사용함.

< Configuration >

- [DAE-SRV]

```
apt install slapd migrationtools -y      # 설치시 비밀번호는 "Skill39"를 사용함.
```

```
vim /etc/ldap/ldap.conf
```

```
BASE    dc=daeseong,dc=net
URI     ldapi://
```

```
systemctl restart slapd
ldapsearch -x      # dn: dc=daeseong,dc=net 확인
```

```
vim /root/users.sh
```

```
#!/bin/bash
for i in {01..05}
do
```

```
echo -e "Skill39\nSkill39" | adduser --gecos "" --uid 20$i user2$i  
done
```

```
chmod +x /root/users.sh  
bash /root/users.sh  
cd /usr/share/migrationtools/
```

```
vim migrate_common.ph
```

```
$NAMINGCONTEXT{'passwd'} = "ou=users";  
$DEFAULT_MAIL_DOMAIN = "daeseong.net";  
$DEFAULT_BASE = "dc=daeseong,dc=net";
```

```
cp migrate_common.ph /usr/share/perl5/  
./migrate_base.pl > ou.ldif
```

```
vim ou.ldif      # ou=users 제외하고 전부 삭제
```

```
1 dn: ou=users,dc=daeseong,dc=net  
2 ou: users  
3 objectClass: top  
4 objectClass: organizationalUnit
```

```
./migrate_passwd.pl /etc/passwd > passwd.ldif
```

```
vim passwd.ldif      # user201 ~ user205 제외하고 전부 삭제
```

```

1 dn: uid=user201,ou=users,dc=daeseong,dc=net
2 uid: user201
3 cn: user201
4 objectClass: account
5 objectClass: posixAccount
6 objectClass: top
7 objectClass: shadowAccount
8 userPassword: {crypt}$y$j9T$.2502N.02MPcxAADvGuVn1$5e1B0ApNLiC./uDguyRBN7cSD2CgsPnwTrCKtHWG094
9 shadowLastChange: 20479
10 shadowMax: 99999
11 shadowWarning: 7
12 loginShell: /bin/bash
13 uidNumber: 2001
14 gidNumber: 65534
15 homeDirectory: /home/user201
16 gecos: ,,

```

해당 사진처럼 user201 ~ user205 유저들만 남긴다.

```

ldapadd -cWD "cn=admin,dc=daeseong,dc=net" -f ou.ldif           # PW: Skill39
ldapadd -cWD "cn=admin,dc=daeseong,dc=net" -f passwd.ldif       # PW: Skill39
ldapsearch -x | grep dn

```

```

dn: dc=daeseong,dc=net
dn: ou=users,dc=daeseong,dc=net
dn: uid=user201,ou=users,dc=daeseong,dc=net
dn: uid=user202,ou=users,dc=daeseong,dc=net
dn: uid=user203,ou=users,dc=daeseong,dc=net
dn: uid=user204,ou=users,dc=daeseong,dc=net
dn: uid=user205,ou=users,dc=daeseong,dc=net

```

해당 사진처럼 출력되어야 한다.

```
vim /root/users.sh
```

```

#!/bin/bash
for i in {01..05}
do
    # echo -e "Skill39\nSkill39" | adduser --gecos "" --uid 20$i user2$i
    userdel -r user2$i
done

```

```
bash /root/users.sh
```

- 🔔 DAE-CLI 에서 LDAP 서버 인증 설정 구성 시 패키지 도구는 LIBNSS-LDAPD를 사용함.
- [DONG-CLI]

```
apt install libnss-ldapd -y
```

```
Multiple URIs can be separated by spaces.
```

```
LDAP server URI:
```

```
ldap://DAE-SRV.daeseong.net/
```

```
<0k>
```

```
LDAP server search base:
```

```
dc=daeseong,dc=net
```

```
<0k>
```

You can select the services that should have LDAP lookups. New LDAP lookups will be added as the last datasource. These changes.

```
Name services to configure:
```

```
[*] passwd  
[*] group  
[ ] shadow  
[ ] hosts  
[ ] networks
```

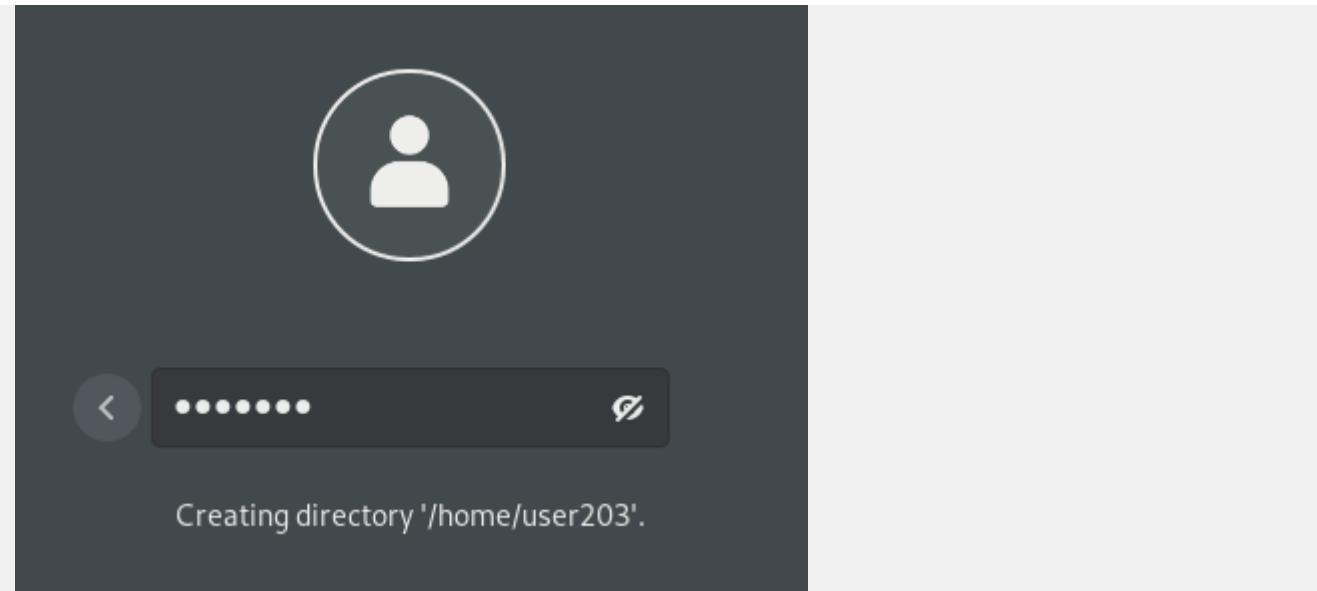
```
<0k>
```

사진대로 설정

```
vim /etc/ldap/ldap.conf
```

```
BASE      dc=daeseong,dc=net  
URI       ldap://DAE-SRV.daeseong.net/
```

```
echo "session optional pam_mkhomedir.so" >> /etc/pam.d/common-session  
reboot
```



사진처럼 user201 ~ user205 유저로 로그인 되는지 확인
