

User Management: How do I change the OU in LDAP?

How do I change the OU in LDAP for Bright?

This is two step process:

1. [Make LDAP use an HDB database instead of an BDB database.](#)
2. [Change the OU value.](#)

1. Migrate LDAP from using BDB database to HDB database

This must be done to be able to modify the non-leaf entry (`ou=Group,dc=cm,dc=cluster`) which is not supported by the BDB-type database

a. stop LDAP service

```
# service ldap stop
```

b. export the current LDAP BDB database, so that it can be imported as an LDAP HDB database

```
# module load openldap
```

```
# slapcat -f /cm/local/apps/openldap/etc/slapd.conf -l mydb.ldif
```

c. modify the database directory and the type of the database:

```
# cat /cm/local/apps/openldap/etc/slapd.conf
```

```
[...]
```

```
database hdb
```

```
[...]
```

```
# The database directory MUST exist prior to running slapd AND
```

```
# should only be accessible by the slapd and slap tools.
```

```
# Mode 700 recommended.
```

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```
directory /var/lib/ldap2
```

```
[...]
```

d. create the database directory

```
# mkdir -p /var/lib/ldap2
```

e. import the ldap BDB database into a temporary file

```
# slapadd -f /cm/local/apps/openldap/etc/slapd.conf -l mydb.ldif
```

```
53063275 hdb_db_open: warning - no DB_CONFIG file found in directory /var/lib/ldap2: (2).
```

```
Expect poor performance for suffix "dc=cm,dc=cluster".
```

```
-##### 100.00% eta none elapsed 02s spd 1.5 k/s
```

```
Closing DB...
```

f. fix the permissions of the database directory

```
# chown -R ldap:ldap /var/lib/ldap2/
```

g. restart the LDAP service

```
# service ldap restart
```

```
Stopping slapd: [ OK ]
```

```
[...]
```

```
Starting slapd: [ OK ]
```

2. Create the Organizational Unit (OU) and modify the LDAP entries accordingly

```
This must be done to allow user management through cmsh/cmgui.
```

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a. add the OU

```
# cat ou.ldif

dn: ou=DisabledUsers,dc=cm,dc=cluster

changetype: add

ou: DisabledUsers

objectClass: top

objectClass: organizationalUnit

# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/ou.ldif
```

b. move the root bind under the OU:

```
# cat root.ldif

dn: cn=root,dc=cm,dc=cluster

changetype: moddn

newrdn: cn=root

deleteoldrdn: 1

newsuperior: ou=DisabledUsers,dc=cm,dc=cluster

# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/root.ldif
```

c. move the read-only root under the OU:

```
# cat roroot.ldif

dn: cn=readonlyroot,dc=cm,dc=cluster

changetype: moddn

newrdn: cn=readonlyroot
```

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```
deleteoldrdn: 1
```

```
newsuperior: ou=DisabledUsers,dc=cm,dc=cluster
```

```
# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/roroot.ldif
```

d. move the readonly group under the OU

```
[root@adel61-centos6-f ~]# cat rogroup.ldif
```

```
dn: cn=rogroup,dc=cm,dc=cluster
```

```
changetype: moddn
```

```
newrdn: cn=rogroup
```

```
deleteoldrdn: 1
```

```
newsuperior: ou=DisabledUsers,dc=cm,dc=cluster
```

```
# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/rogroup.ldif
```

e. move the non-leaf entry (ou=Group,dc=cm,dc=cluster) under the OU

```
# cat group.ldif
```

```
dn: ou=Group,dc=cm,dc=cluster
```

```
changetype: moddn
```

```
newrdn: ou=Group
```

```
deleteoldrdn: 0
```

```
newsuperior: ou=DisabledUsers,dc=cm,dc=cluster
```

```
# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/group.ldif
```

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f. move user(s) under the OU

```
# cat cmsupport.ldif
```

```
dn: uid=cmsupport,dc=cm,dc=cluster
```

```
changetype: moddn
```

```
newrdn: uid=cmsupport
```

```
deleteoldrdn: 1
```

```
newsuperior: ou=DisabledUsers,dc=cm,dc=cluster
```

```
# ldapmodify -x -h localhost -D 'cn=root,dc=cm,dc=cluster' -w <password> -c -f /root/cmsupport.ldif
```

g. modify LDAP configurations to use the OU

```
# cat /cm/local/apps/openldap/etc/slapd.conf
```

```
[...]
```

```
rootdn "cn=root,ou=DisabledUsers,dc=cm,dc=cluster"
```

```
[...]
```

```
# service ldap restart
```

h. modify CMDaemon configurations to use the OU

```
# cat /cm/local/apps/cmd/etc/cmd.conf
```

```
[...]
```

```
LDAPSearchDN = "ou=DisabledUsers,dc=cm,dc=cluster"
```

```
[...]
```

i. restart CMDaemon

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service cmd restart

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