

. LDAP-

- LDAP-
- LDAP
- Berkeley DB

LDAP.

LDAP- FTP-:

- IP-: 92.125.152.58;
- : voip;
- : voip_user;
- ECSS10_release_2_14.

:

```
saw@ecss1:~$ sudo tar -jxf ecss_ldap_configs_2_14.tar.bz2
```

ecss_ldap_configs_2_14:

```
saw@ecss1:~$ cd ecss_ldap_configs_2_14
```

install:

```
saw@ecss1:~$ sudo ./install
```

.

/etc/ldap/ :

```
saw@ecss1:~$ cd /etc/ldap/
```

slapd.d:

```
saw@ecss1:/etc/ldap$ sudo rm slapd.d/ -R
```

slapd.d ecss_ldap_configs_2_14 /etc/ldap/ :

```
saw@ecss1:/etc/ldap$ sudo cp ~/ecss_ldap_configs_2_14/slapd.d/ slapd.d/ -R
```

~ , .

:

```
saw@ecss1:/etc/ldap$ sudo chown openldap:openldap slapd.d/ -R
```

/var/lib/ldap/:

```
cd /var/lib/ldap/
```

:

```
sudo rm *
```

ecss_ldap_configs_2_14:

```
cd ~/ecss_ldap_configs_2_14
```

install:

```
sudo nano install
```

:

```
#!/bin/sh

#      ( 4 7 -      #)
#sudo cp -r etc /      ( '#' );

#
#sudo aptitude install slapd ldap-utils libpam-ldap ldap-utils ldapscripts ldap-auth-client ldap-auth-config
libnss-ldap      ( '#' );

#
sudo ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/ldap/schema/cosine.ldif
sudo ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/ldap/schema/nis.ldif
sudo ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/ldap/schema/inetorgperson.ldif
sudo ldapadd -Y EXTERNAL -H ldapi:/// -f backend.ecss.com.ldif
sudo ldapadd -x -D cn=admin,dc=ecss -w admin -f ecss_default.ldif
```

LDAP-:

```
sudo systemctl restart slapd.service
```

:

```
cd ~/ecss_ldap_configs_2_14/
ssw@ecss1:~$ sudo ./install
```

LDAP-

1. slapd:

```
sudo systemctl stop slapd.service
```

2. AppArmor slapd (/etc/apparmor.d/usr.sbin.slapd):

```
## customized bdb data and log files:
/var/lib/ecss/ldap/bdbdata/ r,
/var/lib/ecss/ldap/bdbdata/* rw,
/var/lib/ecss/ldap/bdblogs/ r,
/var/lib/ecss/ldap/bdblogs/* rw,
## lock file in customized bdbdata dir
/var/lib/ecss/ldap/bdbdata/alock kw,
```

3. :

```
sudo apparmor_parser -r < /etc/apparmor.d/usr.sbin.slapd
```

4. /usr/share/slapd/slapd.conf:

```
directory      "/var/lib/ecss/ldap/bdbdata"
```

5. `/usr/share/slapd/DB_CONFIG` *set_data_dir set_log_dir*.

```
# Directory for the data files
set_data_dir /var/lib/ecss/ldap/bdbdata
[...]
# Directory for the logfiles
set_log_dir /var/lib/ecss/ldap/bdblogs
```

6. `DB_CONFIG` `/var/lib/ecss/ldap/bdbdata` :

```
-rw-r--r-- 1 openldap openldap 96 . 14 09:59 DB_CONFIG
```

7. `slapd`:

```
sudo systemctl start slapd.service
```

LDAP

LDAP, .

, LDAP, .
LDAP:

1. : `/etc/ldap`;
2. LDAP: `/var/lib/ldap`.

LDAP.

replication.ldif, :

```

dn: cn=config
changetype: modify
delete: olcServerID

dn: cn=config
changetype: modify
add: olcServerID
# : 1, 2.
olcServerID: 1

dn: olcDatabase={1}hdb,cn=config
changetype: modify
add: olcDbIndex
olcDbIndex: entryCSN eq
-
add: olcDbIndex
olcDbIndex: entryUUID eq

#Load the syncprov and accesslog modules.
dn: cn=module{0},cn=config
changetype: modify
add: olcModuleLoad
olcModuleLoad: syncprov

dn: olcDatabase={1}hdb,cn=config
changetype: modify
add: olcSyncRepl

## "provider" - URI .*
## "binddn" - .*

## "credentials" - .*
## "searchbase" - ecss.*

olcSyncRepl: rid=001 provider=ldap://broker.remote binddn="cn=admin,dc=ecss" bindmethod=simple
credentials=admin searchbase="dc=ecss" type=re
freshAndPersist retry="60 +" schemachecking=on

# syncrepl Provider for primary db
dn: olcOverlay=syncprov,olcDatabase={1}hdb,cn=config
changetype: add
objectClass: olcOverlayConfig
objectClass: olcSyncProvConfig
olcOverlay: syncprov
olcSpNoPresent: TRUE
olcSpCheckpoint: 100 10

dn: olcDatabase={1}hdb,cn=config
changetype: modify
replace: olcMirrorMode
olcMirrorMode: TRUE

```

ECSS-10 - broker.remote.

broker.remote ("cn=admin,dc=ecss", admin), :

replication_server_1.ldif
replication_server_2.ldif

, - :
:

```

sudo ldapmodify -c -Y EXTERNAL -H ldapi:/// -
f replication_server_1.ldif

```

:

```
sudo ldapmodify -c -Y EXTERNAL -H ldapi:/// -f replication_server_2.ldif
```

Berkeley DB

- 1. /usr/share/slapd/DB_CONFIG 'set_flags DB_LOG_AUTOREMOVE'.
 2. slapd.conf - checkpoint <kbyte> <min> (. *man 5 slapd-bdb*, <http://www.openldap.org/lists/openldap-technical/201212/threads.html#00161>).
 3. slapd:

```
sudo systemctl restart slapd.service
```

- log.XXXXXXXXXX
 1. /usr/share/slapd/DB_CONFIG 'set_lg_max <NEW_MAX_SIZE>' (. http://docs.oracle.com/cd/E17076_03/html/api_reference/C/frame_main.html).
 2. slapd:

```
sudo systemctl restart slapd.service
```