



HCL MT CH-MSP Product Documentation

Multi-Tenant Dependencies

Multi-Tenant Dependencies

- Topics include: Setting up OpenLDAP for Multi-Tenant Understanding the Keycloak dependency

Setting up OpenLDAP for Multi-Tenant

Setup OpenLDAP for MT > https://apps.na.collabserv.com/wikis/home?lang=en-us#!/wiki/W0d07dd0b225e 410e a5c4 1b9cfc43101d/page/Setup%20OpenLDAP%20for%20MT

The following updates were made to the way OpenLDAP is defined - the mtldif.zip file attached contains the updates for the sample tree. You can populate these changes into your LDAP server.

- 1. redefining the DN to be uid=<subscriber Id> instead of cn=<users name>
- 2. uid attribute has the value of subscriberId instead of the name
- 3. the ibm-entryUuid attribute is available in the

schema however it is not populated now (not needed

to be populated) These steps were performed on

CentOS 7. In theory, similar commands should work

on any other Linux-based platforms. mtldif.zip

LInstall OpenLDAP: - OS: Centos 7

Install OpenLDAP using yum:

\$sudo yum install -y openIdap openIdap-clients openIdap-servers

OpenLDAP would be installed in **/etc/openIdap** directory. Please verify such directory was created after the install.

In the rest of the instruction, this directory would be used/assumed. If OpenLDAP was not installed at this location, please update the paths accordingly.

2. Set up admin account and base:

\$ cd /etc/openIdap/slapd.d/cn=config

a). Edit olcDatabase={2}hdb.ldif with the following suffix:

olcSuffix: dc=hcl,dc=com

olcRootDN: cn=<ENTER YOUR

LOGIN here - e.g.

mikib>,dc=hcl,dc=com Save file.

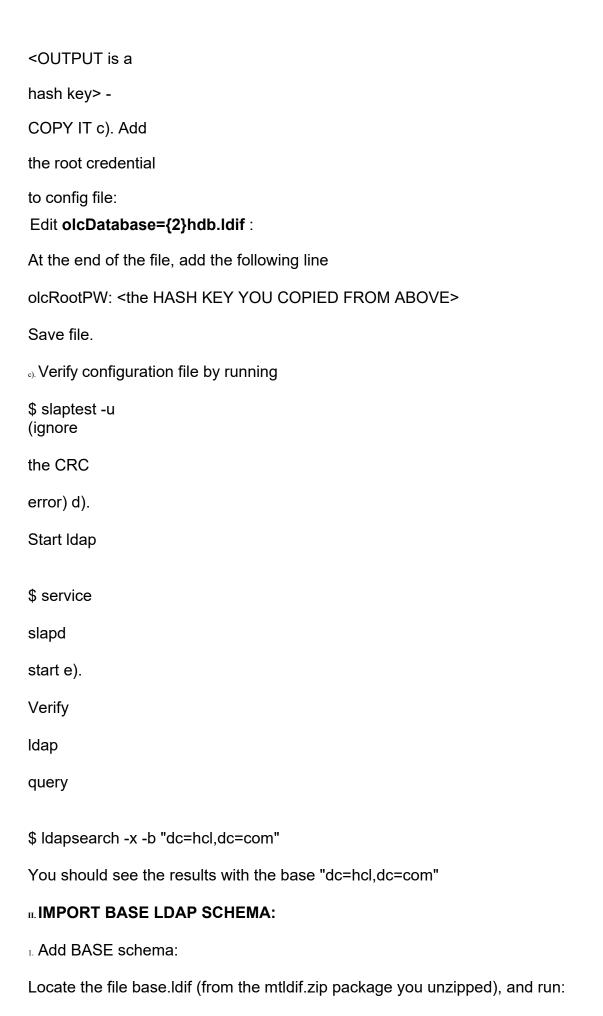
b). Create your Idap admin password:

At command prompt, issue the following commands to create and retrieve admin credential:

\$ slappasswd

New password: <ENTER YOUR PASSWORD HERE>

Re-enter password: <REENTER PASSWORD>



```
$ Idapadd -x -W -D "cn=<user
Iogin you used>,dc=hcl,dc=com" -
f base.ldif b). Verify the structure
we imported above:

$ Idapsearch -x -W -D "cn=<user login you used>,dc=hcl,dc=com" -b "dc=hcl,dc=com" "(objectclass=*)"

Limport MT schema:
In the mtldif.zip package locate the file mt_custom.schema, e.g. /home/centos/mtldif/ldap
$ cp mt_custom.schema /etc/openIdap/schema/.
$ mkdir -p /tmp/Idap_config
$ cd /tmp/Idap_config
$ cd /tmp/Idap_config
$ slaptest -f /home/centos/mtldif/ldap/mt.conf -F /tmp/Idap_config

Running the above command will create a bunch of files in /tmp/Idap_config/cn\=config

Copy the Idif files to the OpenLDAP config directory and change the ownership if needed:
$ cp /tmp/Idap_config/cn\=config/cn\=schema/cn*.Idif /etc/openIdap/slapd.d/cn\=config/cn\=schema/
$ chown Idap:Idap
```

/etc/openIdap/slapd.d/cn\=confi

g/cn\=schema/*.ldif RESTART

Idap:

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- \$ service slapd stop
- \$ service slapd start

III. IMPORT MT LDIF files: base, orgs, and USERS:

cd to the directory you unzipped mtldif.zip, and run the following commands in the exact order:

- \$ Idapadd -x -W -D "cn=<user login you used>,dc=hcl,dc=com" -f mt base.ldif
- \$ Idapadd -x -W -D "cn=<user login you used>,dc=hcl,dc=com" -f mt orgs.ldif
- \$ Idapadd -x -W -D "cn=<user login you used>,dc=hcl,dc=com" -f mt_users.ldif
- \$ Idapadd -x -W -D "cn=<user login you used>,dc=hcl,dc=com" -f mt_users-generic.Idif

Verify the users were imported:

BROWSE the directory - either using query or apache directory studio or whatever you normally use and make sure the users and organization descriptions are present Note: ALL users in the mt_users.ldif have their passwords set as: password

Understanding the Keycloak dependency

Keycloak documentation is currently maintained in the MSP community.

See https://apps.na.collabserv.com/wikis/home?lang=en-us#!/wiki/W0d07dd0b225e 410e a5c4 1b9cfc43101d/page/Keycloak%20Authentication%20and%20SSO

Note: The dotted line from connections to Idap is not required for authentication. It may be used for group support from application level. Although it should really be done using keycloak APIs, the existing code may be doing a direct Idap call.

