
Utilizing the LDAP Socket

Configuring CN=Config

First, add access to the `ldapi:///` (ldap protocol over domain socket) socket by editing [symas-openldap.conf](#).

```
vi /opt/symas/etc/openldap/symas-openldap.conf
```

Add the following lines before the first database definition:

```
HOSTLIST="ldap:/// ldapi:///"
```

Next, set the `rootdn` and `rootpw` (password) for the config database by editing [slapd.conf](#).

```
vi /opt/symas/etc/openldap/slapd.conf
```

Add the following lines before the first database definition:

```
database config  
  
rootdn "cn=config"  
  
rootpw config      (password can be hashed)
```

Note: Credentials may be used for remote access and command line operations. The following `authz-regexp` permits commands via `ldapi:///`. The following should all be on one line in the global section of [slapd.conf](#).

```
authz-regexp  
gidNumber=0\\+uidNumber=0,cn=peercred,cn=external,cn=auth  
cn=config
```

Explanation:

`gidNumber/uidNumber 0` indicate "root" user only, but can be modified for other user/group accounts

`cn=config` specifies database

Note: Used for internal command line operations only

Next, for utilizing the `ldapi:///` socket add the following to `~/.ldaprc`:

```
vi ~/.ldaprc  
SASL_MECH EXTERNAL  
  
URI ldapi:///
```

Finally, start or restart solserver

```
sudo service solserver restart
```



Symas OpenLDAP

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Note: With authz-regexp configured commands have a much simpler syntax. Compare the following command without the authz-regexp configured command to that with authz configured.

```
ldapmodify -x -H ldap://<ldap server fqdn> -D cn=config -w <password>  
DN: cn=module{0},cn=config  
changetype: modify  
replace: olcModulePath  
olcModulePath: /<full>/<path>/<to>/<modules>
```

Versus

```
ldapmodify  
DN: cn=module{0},cn=config  
changetype: modify  
replace: olcModulePath  
olcModulePath: /<full>/<path>/<to>/<modules>
```