

### Upgrade from BDB/HDB to MDB

#### Slapd.conf

1. Make the following changes to the `/opt/symas/etc/openldap/slapd.conf` file

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

Change references to hdb in the module load and database sections to mdb

```
moduleload back_mdb.la
# moduleload back_bdb.la
# moduleload back_hdb.la
```

```
database      mdb
# database    bdb
# database    hdb
```

In the Database section comment out (#) the following:

```
# Cachesize
# Idlcachesize
# Checkpoint
```

Beneath the commented out Checkpoint entry add the following line:

```
Maxsize      10485760
```

(Equals 10 MB in bytes - adjust as needed)

2. Save the slapd.conf file
3. Restart Solserver/Slapd

```
sudo /opt/symas/etc/solserver restart
```

Or

```
sudo service solserver restart
```

Or

```
sudo systemctl restart solserver.service
```

#### Slapd.d

1. Stop Solserver/Slapd

```
sudo /opt/symas/etc/solserver stop
```

Or

```
sudo service solserver stop
```

Or

```
sudo systemctl stop solserver.service
```

2. Export the config database to a text file:

```
slapcat -F /opt/symas/etc/openldap/slapd.d -l config.ldif -b
cn=config
```

3. Move the existing config database out of the way:

```
mv /opt/symas/etc/openldap/slapd.d{,.old}
```

4. Create a new, empty config database:

```
mkdir /opt/symas/etc/openldap/slapd.d
chown --reference=/opt/symas/etc/openldap/slapd.d.old
/opt/symas/etc/openldap/slapd.d
chmod --reference=/opt/symas/etc/openldap/slapd.d.old
/opt/symas/etc/openldap/slapd.d
```

5. Edit the exported config.ldif

```
vim /opt/symas/etc/openldap/config.ldif
```



# Symas OpenLDAP

## How-To Guides

Remove the `olcSecurity` setting (or add `olcRootDN` and `olcRootPW` to `cn=config` section)

Modify `olcModuleLoad` `back_bdb.la` or `back_hdb.la` to `back_mdb.la`

Modify `olcDatabase={1}BDB` or `HDB` to `olcDatabase={1}MDB`

Remove `olcDbCachesize`, `olcDbIDLcacheSize` and `olcDbCheckpoint` attributes

Add `olcDbMaxSize 10485760`

6. Save the modified `config.ldif`
7. Load the edited LDIF into the new empty database:

```
slapadd -F /opt/symas/etc/openldap/slapd.d -l config.ldif
```

8. Start Solserver/Slapd

```
sudo /opt/symas/etc/solserver start
```

Or

```
sudo service solserver start
```

Or

```
sudo systemctl start solserver.service
```