



Symas OpenLDAP

How-To Guides

Convert Single Producer to Multi-Master Replication

Note: A serverID of 000 (which is the default) is indicative of a single Producer.

Note: The serverID is used to populate the "replica ID" field of all CSNs generated by the specified server.

1. Stop Solserver/Slapd

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

Or

```
sudo service solserver stop
```

Or

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

2. Export the current database and modify the ContextCSNs in the resulting LDIF with the new server ID.

```
slapcat -b <your-base-dn> | sed -E -e  
's/#[[:digit:]]{3}#000000$/#001#000000/g' > export.ldif
```

3. Update the serverIDs on all Producer's slapd.conf/slapd.d. They must be unique and follow the syntax:

```
serverID    ###    ldap://<server's FQDN>/
```

4. Delete the .mdb files from /var/symas/openldap-data/<database> on all servers.

5. Import the ldif on the First Producer

```
slapadd -b <your-base-dn> -w -l export.ldif
```

6. Export the updated database to an ldif to be imported on all other servers

```
slapcat -b <your-base-dn> -l export_final.ldif
```

7. Import the export_final ldif on other servers

```
slapadd -b <your-base-dn> -l export_final.ldif
```

8. Start Solserver/Slapd

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

Or

```
sudo service solserver start
```

Or

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

9. **For Delta-Syncrepl Only**, perform a modification to the database on the primary Producer. This will trigger replication on all servers.