

MemberOf

Overview

The memberof overlay maintains automatic reverse group membership values, typically stored in an attribute called memberOf.

Warning: Changes made to the backend by this overlay will break replication during a refresh. This overlay should **not** be used in a replicated environment.

How It Works

If you create a `groupOfNames` entry in `cn=administrators,ou=groups,dc=example,dc=com` with a `member` attribute of `uid=john.doe,ou=users,dc=example,dc=com`, the memberOf overlay will automatically create a respective `memberOf` attribute with the DN of `cn=administrators,ou=groups,dc=example,dc=com`.

Note: Do not use memberOf with posixGroups. The posixGroup `memberUid` attribute does not use a DN, which is required by the overlay.

Examples

SLAPD.D Configuration Steps

Add the following `olcModuleLoad` to `cn=module,cn=config` on all servers (Producers and Consumers):

```
dn: cn=module{0},cn=config
objectClass: olcModuleList
cn: module{0}
olcModuleLoad: memberof.1a
```

Add the following `olcOverlay` to `olcDatabase=mdb,cn=config` on all servers (Producers and Consumers):

```
dn: olcOverlay={2}memberof,olcDatabase={1}mdb,cn=config
objectClass: olcMemberOf
objectClass: olcOverlayConfig
olcOverlay: {2}memberof
olcMemberOfDangling: ignore
olcMemberOfGroupOC: inetOrgPerson
olcMemberOfRefInt: TRUE
```

SLAPD.CONF Configuration Steps

Add the following module to the modules list to the global section on all servers (Producers and Consumers):

```
moduleload memberof.1a
```

Add the following overlay to the Main MDB section on all servers (Producers and Consumers):

```
overlay memberof
memberof-group-oc inetorgperson
memberof-refint true
```

Referential Integrity

Referential Integrity (refint) allows the overlay to perform the reverse action. If a `memberOf` attribute with a value of `cn=administrators,ou=groups,dc=example,dc=com` is added to `uid=john.doe,ou=users,dc=example,dc=com` the memberOf overlay with `memberofRefInt TRUE` will automatically add a respective `member` attribute to the `groupOfNames` entry accordingly.