



NetIQ eDirectory maintenance how-to

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Pegasi Knowledge

<https://ghost.pegasi.fi/wiki/>

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NetIQ eDirectory maintenance how-to

This is a checklist needed do to in order to keep your eDirectory healthy and happy. I do these regularly.

Operating system checks

Basic checks and updates.

```
uptime
date
df -h
yum update #rhel / centos
zypper ref; zypper up #suse
```

Check for errors in system logs.

```
journalctl -p err -b
```

Other log checks as necessary including eDirectory / IDM logs.

Version check and time sync

Check that time is in sync on all of the replicas.

```
ndsrepair -T
```

Server to server synchronization

Fire up ndstrace, give following commands and see if any red errors come up.

```
#enables screen and file logging to the ndstrace.log file
SET NDSTRACE=ON
#turns off all preset filters
SET NDSTRACE=NODEBUG
#enables filtering of synchronization traffic
SET NDSTRACE=+SKLK
#initiates synchronization between file servers
SET NDSTRACE=*H
```

If unsure of the output do

```
less -iR /var/opt/novell/eDirectory/log/ndstrace.log
```

Replica synchronization

View the replica state for each partition with

```
ndsrepair -E
```

View replica configurations for each replica with command

```
ndsrepair -P
```

Obituaries and external references

View obituaries with command

```
ndsrepair -C -Ad -A
```

Check my other document about handling stuck obituaries if you find ones.

Schema synchronization

Again fire up ndstrace and give following commands

```
#enables screen and file logging to the ndstrace.log file
SET NDSTRACE=ON
#turn off all preset filters
SET NDSTRACE=NODEBUG
#enables filter of schema synchronization traffic
SET NDSTRACE=+SCMA
Additionally you can look at the schema-related operations for both inbound
and outbound by entering:
SET NDSTRACE=+SCMD
#initiates synchronization of all schemas
SET NDSTRACE=*SS
```

Repair local database

Issue local repair at each replica, one at a time.

```
ndsrepair -R
```

Check backups

Check that your ndsbackup is in operation

```
crontab -l  
ls -alt <backup-dir>
```

Reboot and check

If need do a reboot

```
ndsmanage stopall && reboot
```

And check that drivers are active by using iManager, ndstrace, log files or dxcmd

```
dxcmd -host 127.0.0.1 -user admin.dn
```

Comments and suggestions

If you find bugs above please comment below. Also feel free to rate.