

Novell Open Enterprise Server Deployment Planning Checklist

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Use this handy checklist to ensure that your network is ready for Open Enterprise Server.

General Deployment Preparation

- Apply latest support packs on all servers.
- Back up all servers to be upgraded, including DOS partitions, file system, trustee assignments, and eDirectory database (DIB).
- Verify that hardware being used for OES servers meets or exceeds requirements for NetWare 6.5 or SLES 9.
- Verify that all currently installed Novell products and third-party products are compatible with Open Enterprise Server.

Novell eDirectory Version and Health Check

- (New tree) Install Novell eDirectory 8.7.3 (the version bundled with OES).
- (Existing tree) Upgrade to eDirectory 8.7.3 (recommended) or a compatible version of NDS/eDirectory (for phased migrations):

NetWare Version	NDS/eDirectory Version
NetWare 6.5 SP2	eDirectory 8.7.3 IR2 (eDirectory 8.7.3.2)
NetWare 6.5 FCS or SP1	eDirectory 8.7.0 or 8.7.1
Netware 6.0 SP5	eDirectory 8.6.2
NetWare 5.1 SP8	NDS 7.62c or 8.85c
NetWare 4.2 SP9	NDS 6.21 or later

Run Novell Deployment Manager > Search for eDirectory/NDS Versions to check for compatible versions.

- Run eDirectory health checks to ensure the tree is healthy:
 - Time synchronization
 - Synchronization status
 - Obituary process
 - Schema process
 - External reference and backlinking process
 - Servers known to this database
 - SLP configuration - no “unscoped” scopes
- (Existing tree pre-eDirectory 8.7) Extend the core schema by running Novell Deployment Manager > Prepare for New eDirectory.

LDAP Configuration

- LDAP server for eDirectory properly configured for OES services.
- OpenLDAP properly configured for SLES 9 services.
- If you are adding an OES Linux server to a NetWare 5.1/NDS 8 tree, ensure that all OES services which use LDAP are configured to go to an OES NetWare or OES Linux server running eDirectory 8.7.3, and not to a NetWare 5.1 server.

Discovery Mechanisms

- Service discovery configured via Service Location Protocol (SLP) or `/etc/hosts` file.
- DNS/DHCP services properly installed and configured.

Security Infrastructure

- (Existing tree pre-NetWare 6.5) Run Novell Deployment Manager > Verify NCI Keys and run SDIDiag if necessary to ensure key consistency.
- (Existing NetWare tree) Run PKIDiag if necessary to identify and resolve problems with PKI architecture.
- (NetWare 5.1) Certificate Authority and security domain key (W0 object) located on a server running eDirectory 8.7.
- (Existing NetWare tree) Disable Universal Password before running Novell server migration tool.

Time Synchronization

- Identify time sources (internal and/or external) for the tree.
- (OES NetWare) Decide whether to use timesync.nlm or NTPv3 for new and upgraded servers.

Network Protocols

- (NetWare 4/NDS 6.21 tree) Enable IPX on all NetWare 5 or later servers that need to communicate with the NetWare 4 servers. (No support for IPX on Linux)

Data Storage Devices

- Ensure all servers have adequate hard drives installed and configured correctly.
- Properly install and configure external storage volumes (Network Attached Storage, Storage Area Networks, etc.).
- (OES Linux) For NSS support, install separate hard drive managed by Enterprise Volume Management System (EVMS).

Clustering

- (New install) Plan clustering scheme (number of nodes, etc.).
- (Upgrade) Plan mix of NetWare vs. Linux servers and devise rolling upgrade scheme.

Client Access Methods

- (NCP) Novell Client installed on all Windows and Linux workstations requiring NCP access to data; NCP Server installed on servers.
- (AFP) Native File Access for Macintosh installed on OES NetWare servers containing data to be accessed natively by Mac workstations.
- (NFS) Native File Access for Unix installed on OES NetWare servers containing data to be accessed natively by Unix/Linux workstations.
- (CIFS) Native File Access for Windows installed on OES NetWare servers containing data to be accessed natively by Windows workstations.
- (Samba) Samba installed and configured for Windows workstations needing access to files stored on OES Linux servers using CIFS or HTTP- WebDAV instead of NCP.
- (iFolder) Novell iFolder server properly installed and iFolder Client installed on all workstations using this service.
- (NetStorage) NetStorage properly installed for clients requiring Web-based access to data installed on servers.

Printing

- (New install) Devise plan for implementing Novell iPrint.
- (Existing network) Devise plan for migrating printers from queue-based or NDPS-based printing to Novell iPrint.

System/Network Management Interfaces

- Train administrators on cross-platform management tools (iManager, Novell Remote Manager, Health Monitoring Services, etc.)

Software Distribution and Patch Management

- Use a Novell software distribution tool (such as ZENworks or the rug command) to automatically obtain OES server software updates.

Licensing

- (NetWare) Verify adequate user licenses for OES NetWare servers.

Product/Service-Specific Issues

- Check Novell OES online documentation at <http://www.novell.com/documentation/oes> for product/service-specific issues.
- Check Novell OES Web page at <http://www.novell.com/oes> for information about deploying other Novell products in the OES environment.