

Quick Start Card

NDS™ 8 for Solaris is a highly scalable, high-performing, secure directory service. It can store and manage a billion Directory objects. NDS 8 for Solaris natively supports the directory standard LDAP version 3 over Secure Socket Layer (SSL).

MINIMUM SYSTEM REQUIREMENTS

- SPARCstation* Ultra 5 with Solaris 2.6/7 installed and 64 MB of RAM. To run the NDS server and LDAP server a minimum of 128 MB RAM is recommended.
- 21 MB of disk space to install the NDS server. Add 3 MB per 1000 NDS User objects in the replica.
- 3 MB of disk space to install the NDS User Account Management (UAM).
- Windows* 95/98 or Windows NT* system with 128 MB of RAM and 125 MB of disk space to install the Windows component.
- Novell® Client™ for Windows 95/98 or NT, enabled for IP from the Novell Client CD version 3.01

PREPARE TO INSTALL

- Before you begin the installation, decide whether you want to install the

NDS Server component, the NDS UAM component, or both.

- If you want to install only the UAM component, identify the NDS tree and the NDS partition you want to install the UAM component into.
- Identify a network with a Solaris system and a Windows 95/98 or Windows NT system.
- To install the NDS 8 for Solaris into an existing NetWare 5 tree, upgrade NDS to NetWare 5 Support Pack 2. At the server console, run DSREPAIR and select Advanced Options Menu > Global Schema Operations > Post NetWare 5 Schema Update. You will be prompted for the Admin name (example: .Admin.Company) and password
- Ensure that time is synchronized on the servers in the network. Use Network Time Protocol (NTP) to synchronize time. Refer to xntpd(1M) for more information. To synchronize time with NetWare servers, use TIMESYNC.NLM version 5.12.
- Ensure that there are no SLP DAs running in the network (for example, NetWare servers), or verify that such SLP DAs are stable (not going down and coming up frequently).

INSTALL NDS FOR SOLARIS

To install NDS for Solaris, you need to do the following:

- Run the Windows Setup program
- Run the Solaris installation program

If you don't have the Console One and NDS Manager utilities already installed in the network, we recommend that you complete the Windows Setup program before running the Solaris install program.

Run the Windows Setup Program

You can install the Windows component either on a server or a workstation.

1. Insert the NDS 8 for Solaris CD.
2. Run WINSETUP.EXE from the Windows directory on the CD.
3. Click English.
4. Install ConsoleOne™ and NDS administration utilities.
 - ConsoleOne - This option installs the ConsoleOne 1.2 utility and copies the NDS UAM and LDAP snap-ins.
 - Install NDS Administration Utilities - This option installs NDS Manager™ and NetWare Administrator.

Select the desired option.

5. Follow the instructions given in the Setup program.
6. (Optional) To install the Client DLLs, run SETUP.EXE in the \PUBLIC\MGMT\CONSOLEONE\1.2\INSTALL directory.

Run the Solaris Install Program

1. On the SPARC Solaris system, log in as root.
2. Insert the NDS 8 for Solaris CD.

3. Change to the Solaris directory on the CD and run nds-install.

The installation program installs individual components of the product. You can install NDS Server, NDS UAM, or both components.

4. Select the desired option.

Depending on the option, refer to the following sections:

- Install NDS Server
- Install NDS User Account Management
- Install Both Components

Install NDS Server

If you selected to install the NDS Server, the installation program proceeds to add various packages of the NDS Server component.

1. Enter "y" when you are prompted to add a package with super-user permissions.

After all the packages are added, the program asks for configuration information. Though you can configure the product later using ndscfg, we recommend that you configure now to ensure proper functioning of the product.

2. Enter the following configuration parameters in the ndscfg.inp file:
 - Name (with full context) of the user with administration rights to the root of the tree
 - Tree name
 - Server context
 - (Optional) DB files dir
3. (Optional) To install NDS on a new tree, specify the value "yes" for the

Create NDS tree parameter.

4. Save the information and close the editor.
5. Enter the password of the user with administration rights, when prompted.

Install NDS UAM

If you selected to install the NDS UAM, the installation program proceeds to add various packages of the NDS UAM component and asks for your approval before adding each package.

1. Enter “y” when you are prompted to add a package with super-user permissions.

After all the packages are added, the program asks for configuration information. Though you can configure the product later using `ndscfg`, we recommend that you configure now to ensure proper functioning of the product.

2. Enter the following configuration parameters in the `ndscfg.inp` file:
 - Name (with full context) of the user with administration rights to the root of the tree
 - Tree name
 - Context of the UNIX workstation
 - Context of the root of the partition (where NDS UAM is to be installed)
 - (Optional) Single Sign On parameters (explained in the section *SSO Configuration Parameters*)
3. To create a partition, if the partition does not exist, specify the value “yes” for the Create Partition parameter.
4. Save the information and close the editor.
5. Enter the password of the user with

administration rights, when prompted.

Install Both Components

The installation program proceeds to add various packages of the NDS Server and UAM components and asks for your approval before adding each package.

1. Enter “y” when you are prompted to add a package with super-user permissions.

After all the packages are added, the program asks for configuration information. Though you can configure the product later using `ndscfg`, we recommend that you configure now to ensure proper functioning of the product.

2. Enter the following configuration parameters in the `ndscfg.inp` file:
 - Name (with full context) of the user with administration rights to the root of the tree
 - Tree name
 - Context of the UNIX workstation
 - Context of the root of the partition (where NDS UAM is to be installed)
 - Server context
 - (Optional) DB files dir
 - (Optional) Single Sign On parameters (explained in the section *SSO Configuration Parameters*)
3. (Optional) To install NDS on a new tree, specify the value “yes” for the Create NDS tree parameter.
4. To create a partition, if the partition does not exist, specify the value “yes” for the Create Partition parameter.
5. Save the information and close the editor.

6. Enter the password of the user with administration rights, when prompted.

If NDS for Solaris 2.0 is installed on the system, the installation program asks you whether the it should be upgraded to NDS 8 for Solaris Beta 2. The earlier packages will be removed before the NDS 8 for Solaris packages are installed.

SSO Configuration Parameters

- **sso_trust_level** - You need to define a trust level for the Workstation object for SSO. The trust level can be one of the following:
 - 0 - Trust Nobody.
 - 1 - Trust all workstations in the same context.
 - 2 - Trust all workstations in the same partition.
 - 3 - Trust all workstations in the same tree.
 - 4 - Trust everybody.
- **sso_transitive_trust_enable** - Specify "On" if you want the workstation to trust another workstation only if it has the same trust level. This makes the network more secure.
- **sso_ssl_level** - You need to define the type of SSL connection to be used between SSO daemons, when SSO is configured. It can be any one of the following types:
 - 0 - No SSL connection
 - 1 - SSL connection only for handshake
 - 2 - SSL connection for handshake and data encryption.

These parameters cannot be configured in the NDS 8 for Solaris Beta release.

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