

# **Solaris Extensions Installation Guide**

Netscape Directory Server

Version 4.11

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# Introduction

The Solaris™ Extensions Installation Guide explains how to install the Solaris Extensions for Netscape Directory Server 4.11 on a Solaris SPARC™ platform.

## Solaris Extensions Overview

The Solaris Extensions enhance the feature set of the Netscape Directory Server 4.11 by providing:

- Synchronization between the NIS naming service and the LDAP directory
- A Remote Access Dialup User Service (RADIUS) server which uses the LDAP directory to authenticate remote users connecting to the network
- A Java™ directory editor, called Deja, for maintaining directory information

## Prerequisite Reading

Before you can install and use Solaris Extensions for Netscape Directory Server 4.11, you must install and configure the Netscape Directory Server.

Instructions for installing the Netscape Directory Server are contained in the *Netscape Directory Server Installation Guide*.

For information on how to configure the directory server and manage the directory contents, refer to the *Netscape Directory Server Administrator's Guide*.

## Conventions Used in This Book

This section explains the conventions used in this book.

`Monospaced font`—This typeface is used for any text that appears on the computer screen or text that you should type. It is also used for filenames, functions, and examples.

**Note** Notes and Warnings mark important information. Make sure you read the information before continuing with a task.

# Installing Solaris Extensions for Netscape Directory Server 4.11

The Solaris Extensions Installation Guide explains how to install the Solaris Extensions for Netscape Directory Server 4.11. It assumes that you are already familiar with installing software products on machines running the Solaris™ operating environment.

This chapter contains the following sections:

- “Product Contents” on page 5
- “Installation Requirements” on page 6
- “Installing Solaris Extensions” on page 7
- “Starting the NIS Synchronization Service” on page 8
- “Starting the RADIUS Server” on page 8

## Product Contents

The Solaris Extensions for Netscape Directory Server 4.11 product contains the following packages:

Package Name	Package Description
SUNWdsnis	NIS synchronization tools
SUNWdsrad	RADIUS server and PAM module
SUNWdsutl	Administration utilities

The product also includes an automatic startup script, `S72ns-slapd`, that automatically starts the directory server when the host machine is rebooted. This script is delivered separately from the product packages.

## Installation Requirements

This section provides details of the hardware and software requirements that must be met in order to run the Solaris Extensions for Netscape Directory Server 4.11 with satisfactory performance.

### Hardware

Solaris Extensions for Netscape Directory Server 4.11 run on Solaris SPARC platforms and require a minimum of 128 Mbytes RAM.

### Software

Solaris Extensions for Netscape Directory Server 4.11 require the following software:

- Solaris 2.6 or Solaris 8 operating environment
- An X Windows System™ if you want to use the graphical user interfaces
- Netscape Directory Server 4.11
- Solstice™ Enterprise Manager™, Solstice Site Manager™ or Solstice Domain Manager™ if you want to use SNMP monitoring

If installing Solaris Extensions for Netscape Directory Server 4.11 on a Solaris 2.6 system, you should install the Recommended Solaris 2.6 Patch Cluster and, optionally, the Year 2000 Solaris 2.6 Recommended Patch Cluster.

### Disk Space

The disk space required by the product packages, when installed in their

default locations, is as follows:

Product Package	/etc	/opt	/var
SUNWdsnis	68kb	7Mb	-
SUNWdsrad	74kb	7Mb	-
SUNWdsutl	3kb	3Mb	-
Total	145kb	17Mb	-

Note that you must allow space in the `/var` directory for log files. By default, you can have up to 10 log files of 1Mb for the RADIUS server and for the NIS daemons, which means that the size of the log files can reach 20 Mb.

## Installing Solaris Extensions

1. Insert the CD-ROM into the CD drive of your machine, or download the software from the Solaris Extensions for Netscape Directory Server 4.11 web site.
2. Log in as root or become superuser.
3. Change directory to `/cdrom/<mountpoint>` or to the directory to which you downloaded the software.
4. Start the `pkgadd` utility:

```
# /usr/sbin/pkgadd -d .
```

A list of installable packages is displayed.

5. Type in the numbers corresponding to the packages that you want to install.  
If you want to use the NIS synchronization service, and the RADIUS server, install all packages. If you want to use the NIS synchronization service alone, install SUNWdsnis and SUNWdsutl. If you want to use the RADIUS server alone, install SUNWdsrad and SUNWdsutl.
6. If you want the directory server daemon, `ns-slapd`, to be automatically restarted whenever the machine is rebooted, copy the `S72ns-slapd` script from the `/DS/Samples` directory on the CD to the `/etc/rc2.d` directory. For consistency with all other scripts, you can create a link from `/etc/rc2.d` to `/etc/init.d/ns-slapd`.

## Starting the NIS Synchronization Service

If you have not installed the Directory Server under the default installation directory (`/usr/netscape/server4`), you must edit the `S72ns-slapd` script to modify the `BASEDIR` variable to point to the actual installation directory.

**Note** The NIS synchronization service and the RADIUS server cannot operate if the `ns-slapd` daemon is not running.

## Starting the NIS Synchronization Service

For instructions on initializing the NIS synchronization service, refer to the *NIS Extension Guide*. It contains detailed instructions on how to initialize synchronized NIS/LDAP service using the `dsypinstall` script, and describes the modifications made to the standard NIS environment.

## Starting the RADIUS Server

For instructions on initializing the RADIUS server, refer to the *RADIUS Extension Guide*. It contains detailed instructions on how to initialize the RADIUS server using the `setup_rad` script, and how to start the RADIUS console.