

# Installing Novell Single Sign-on

For additional information about installing and setting up Novell® Single Sign-on, see the README.TXT file and the NSSO.PDF file on the *Novell Single Sign-on* CD.

## Installing on a NetWare5.x Server

### REQUIREMENTS

- NetWare® 5.x server
- NDS® eDirectory™ or NDS Corporate Edition
- The latest NetWare 5.x support pack
- Supervisor rights to the NDS tree on the NetWare 5.x server
- The server has a read/write replica of the partition that contains the User objects for those who will use Single Sign-on

### INSTALLING NICI 1.5.4

- 1** At the NetWare server, insert the *Novell Single Sign-on* CD.
- 2** Mount the *Novell Single Sign-on* CD as a NetWare volume by entering `CDROM`.
- 3** From `NWCONFIG.NLM`, select Product Options > Install a Product Not Listed
- 4** (Conditional) If paths appear, select any path > press Enter.
- 5** Press F3 > enter the path to the NICI files (for example, `NSSO_21:\SERVER\NICI_1.5\NWSERVER`).
- 6** Follow the on-screen instructions to accept the license agreement and copy files.
- 7** Exit `NWCONFIG` > shut down and restart the server.

### INSTALLING THE SECRETSTORE SERVICE

- 1** Mount the *Novell Single Sign-on* CD as a NetWare volume by entering `CDROM`.

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- 2 From NWCONFIG.NLM, select Product Options > Install a Product Not Listed.
- 3 Select any path > press Enter
- 4 Press F3 > enter the path to the Novell SecretStore™ files (for example, NSSO\_21:\SERVER\NETWARE).
- 5 Follow the on-screen instructions to accept the license agreement, copy files, and configure the server.
- 6 Exit NWCONFIG.
- 7 (Conditional) Shut down and restart the server.

If you are installing SecretStore on a NetWare 5.1 server, you can skip this step.

## Installing on a Windows NT/2000 Server

The Single Sign-on installation program installs the server version of NCI 1.5.4. The program also creates or gets the NCI tree key.

### REQUIREMENTS

- Windows\* NT\* Server 4.0 with Service Pack 2 or later or Windows 2000 Server
  - NDS eDirectory or NDS Corporate Edition installed with a functioning NDS tree
- IMPORTANT:** Make sure that the Windows NT/2000 server running NDS eDirectory or NDS Corporate Edition is being used only as a server and not a Novell client.
- Supervisor rights to the NDS tree on the Windows NT/2000 server
  - The server has a read/write replica of the partition that contains the User objects for those who will use Single Sign-on

### INSTALLING NCI 1.5.4

- 1 Log in as Administrator on the Windows NT/2000 server.
- IMPORTANT:** You must be logged in as Administrator for the NCI software to be installed correctly.
- 2 On the Windows NT/2000 server running NDS eDirectory or NDS Corporate Edition, close all applications.
  - 3 Insert the *Novell Single Sign-on* CD > exit the auto-start client installation program if it starts.
  - 4 Run the program NTNCIU0.EXE from the SERVER\NCI\_1.5\NTSERVER directory

on the *Novell Single Sign-on* CD > overwrite all files > restart the server.

- 5 If it is not already open, launch the NDS Services console window (NDSCONS.EXE) from the NDS eDirectory or NDS Corporate Edition directory (C:\NOVELL\NDS by default) on the Windows NT/2000 server.

The NICI NCP Handlers service (NICIEXT) should now start automatically.

### CREATING THE NICI TREE KEY

- 1 Run TREEKEY.BAT.

TREEKEY.BAT is located in the SERVER\NICI\_1.5\ TREEKEY4NT directory on the *Novell Single Sign-on* CD.

**IMPORTANT:** The NICI tree key is limited to one per tree. Follow these procedures only if no key exists and this server is going to be one that creates the key.

If you think you might already have a tree key installed, follow the instructions in "Setting Up the Security Domain Infrastructure (SDI) Tree Key" in the "Troubleshooting" chapter of *Installation and Administration Guide* (NSSO.PDF). Do this before running the Single Sign-on installation program.

- 2 After installing the tree key, shut down and restart the server.

### INSTALLING THE SECRETSTORE SERVICE

- 1 Run SETUP.EXE and follow the on-screen instructions.

This file is in the SERVER\NT directory on the *Novell Single Sign-on* CD.

**IMPORTANT:** Make sure that the destination directory corresponds to the directory where NDS eDirectory or NDS Corporate Edition resides on your Windows NT/2000 server (C:\NOVELL\NDS by default).

- 2 If necessary, launch the NDS Services console window (NDSCONS.EXE).

If the NDS Services console window is already open, you must close and reopen the window to see the SecretStore service.

## Installing Single Sign-on on Windows Workstations

By installing NSSO on an administrative workstation, you can administer NSSO from there. By installing NSSO on users' workstations, you simplify the users' environment.

### COMPONENTS FOR AN ADMINISTRATIVE WORKSTATION

You can administer Single Sign-on from your administrative workstation by installing the

following components there:

- ♦ NCI client
- ♦ Novell Single Sign-on
- ♦ Novell Modular Authentication Service (NMAST<sup>™</sup>) client
- ♦ v-GO\* client
- ♦ ConsoleOne<sup>™</sup>

NSSO does not support ConsoleOne at the server console. You configure and administer NSSO from a workstation.

However, you can copy the snap-in files to a network directory and run NSSO from various workstations. Single Sign-on must also be running on those workstations.

- ♦ The NSSO snap-in to ConsoleOne

#### **Requirements for an Administrative Workstation**

- Windows 95, Windows 98, Windows ME, Windows NT 4.0, or Windows 2000 workstation used exclusively as a client workstation
- Novell Client<sup>™</sup> 3.21 or later for Windows 95, Windows 98, and Windows ME workstations; Novell Client 4.71 or later for Windows NT and Windows 2000 workstations
- Supervisor rights to the NDS tree

#### **Installing Administrative Components**

- 1** From the client workstation, log in to the NDS tree and server where the SecretStore service is located.

**IMPORTANT:** For the NCI software to be installed correctly on Windows NT or Windows 2000, you must be logged in to Windows as a user with Administrator rights.

- 2** Insert the *Novell Single Sign-on* CD.

The auto-run program launches CLIENT\NSSOINSTALL.EXE /CD. The /A switch also enables you to select and install all administrative components.

To display and install all the components except ConsoleOne and the ConsoleOne snap-in, omit the /CD or /A switch.

- 3** Select the setup language.
- 4** Select needed client and administrative components > click Install.

The box on the right of the dialog box lists components that are already installed.

If a needed component is already installed on your workstation, the check box for that component is unchecked.

NSSOINSTALL.EXE installs ConsoleOne 1.2c. If you have installed ConsoleOne 1.2d or later (from NDS eDirectory 8.5), uncheck the check box for ConsoleOne Install. Doing this prevents overwriting the 1.2d files. NSSO works equally well with both versions of ConsoleOne.

- 5** Follow the on-screen instructions to accept the license agreement and copy files.

As Setup installs the Novell Single Sign-on component, you encounter the Select Components screen. As administrator, you'll most likely want all the components on your administrative workstation, even though all the functionality of SecretStore Status is in SecretStore Manager.

Novell packages connectors for Lotus Notes\*, Entrust\*, and PeopleSoft\*. If Setup discovers these connectors on a workstation, Setup displays them so that you can also install or uncheck them.

- 6** Restart the workstation.

### **COMPONENTS FOR USERS' WORKSTATIONS**

So that users can use Single Sign-on, you must install the NCI client, Novell Single Sign-on, the NMAS client, and the v-GO client on their workstations.

#### **Requirements for Windows Client Workstations**

- Each user must have an assigned User object in the NDS tree where the SecretStore service is installed.
- Windows 95, Windows 98, Windows ME, Windows NT 4.0, or Windows 2000 workstation.
- Novell Client™ 3.21 or later for Windows 95, Windows 98, and Windows ME workstations; Novell Client 4.71 or later for Windows NT and Windows 2000 workstations

#### **Installing Components for Users**

- 1** From the client workstation, log in to the NDS tree as the appropriate user.

**IMPORTANT:** For the NCI software to be installed correctly on Windows NT or Windows 2000, you must be logged in to Windows as a user with Administrator rights.

- 2** Insert the *Novell Single Sign-on* CD.

The auto-run program launches CLIENT\NSSOINSTALL.EXE /CD. To display and install all the components except ConsoleOne and the ConsoleOne snap-in, run NSSOINSTALL.EXE without the /CD switch.

### 3 Follow the on-screen instructions.

As Setup installs the Novell Single Sign-on component, you encounter the Select Components screen. To select components, use the following guidelines:

- ◆ As a general rule, install all components on users' workstations.

Users can use SecretStore Manager to manage their secrets. You can use SecretStore Manager to manage users' secrets.

Also, users and the help desk might benefit from having both the SecretStore Manager and SecretStore Status installed on users' workstations.

- ◆ SecretStore Status provides the simplest and most efficient way for a user (or help desk) to test connectivity to the SecretStore service.
- ◆ To limit access to SecretStore, only install SecretStore Status.

SecretStore Status enables users to set master passwords and unlock their SecretStore.

- ◆ To prevent users from seeing passwords, don't install NMAS on users' workstations.

Single Sign-on can be distributed to user workstations via ZENworks™.

### **How to Use Full v-Go Functionality**

Novell Single Sign-on runs out-of-the-box, with little or no administrative setup. The default server and client installation options provide basic Novell Single Sign-on connector support and client capabilities.

v-GO for Novell Single Sign-on is installed as part of Novell Single Sign-on. However, v-GO runs in a limited mode until you enable it.

If you purchased (either separately or bundled) the license for full v-GO functionality, you can enable v-GO. To do this, you use ConsoleOne to create an nssosingle signon object and then enable v-GO. The NSSO.PDF file explains these procedures.