

Installing Novell Certificate Server

Novell® Certificate Server allows you to request, manage, and store public key certificates and their associated key pairs in the NDS® tree, and to establish an Organizational Certificate Authority (CA) that is specific to your NDS tree and your organization.

Server Requirements

- ◆ NetWare® 5 with Support Pack 1, 2, or 3 installed
- ◆ Novell International Cryptography Infrastructure (NICI) 1.3.0 or 1.3.1 (Exportable NICI v1.3.1 is included with Novell Certificate Server v2.0.)
- ◆ The version of NDS that shipped with NetWare 5, or NDS-SE or above. SKADS 1.0 is not supported.

Administrator Workstation Requirements

- ◆ Windows* 95, Windows 98, or Windows NT* version 4 with Service Pack 3 or above
- ◆ Novell Client™ for Windows version 3.0 or above, or Novell Client for NT version 4.5 or above
- ◆ ConsoleOne 1.2b13 (included with Novell Certificate Server v2.0 or it can be downloaded from <http://www.novell.com/download/#Management>)

User Workstation Requirements

- ◆ Windows* 95, Windows 98, or Windows NT* version 4 with Service Pack 3 or later
- ◆ Novell Client™ for Windows version 3.0 or above, or Novell Client for NT version 4.5 or above
- ◆ Internet Explorer version 4 or 5 and GroupWise 5.5 enhancement pack client, Internet Explorer version 4 and Outlook98, or Internet Explorer 5 and Outlook2000

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E-mail Server Requirements

- ♦ For GroupWise® 5.5, you will need the GroupWise 5.5 Messaging Server.
- ♦ For Outlook98 and Outlook2000, you will need Exchange Server 5.5, or any IMAP-compliant e-mail server should work.
- ♦ For Netscape* Messenger*, you will need Netscape Messaging Server, or any IMAP-compliant e-mail server should work.

Procedures

DOWNLOAD AND EXTRACT NOVELL CERTIFICATE SERVER

- 1 If you haven't already done so, download the Novell Certificate Server software (CERTSERV.EXE) from <http://www.novell.com/download/#NDS/>.
- 2 Extract CERTSERV.EXE by double-clicking on the file. By default, the files will be extracted to *install directory\CERTSERV*.

INSTALL NICI

In order to run Novell Certificate Server, Novell International Cryptography Infrastructure (NICI) must be installed on the server. Novell Certificate Server requires at least NICI 1.3.0. The exportable version of NICI 1.3.1 is included in the Novell Certificate Server self-extracting installation file or it can be downloaded from the Novell Web site. U.S. and Canadian customers who want the domestic version of NICI 1.3.1 should visit Novell's Cryptography Web site at (<http://www.novell.com/products/cryptography/>) or contact Novell.

NOTE: NICI is not part of the Novell Certificate Server installation process. It must be installed separately.

IMPORTANT: If you are running an older version of NICI that contains domestic-grade crypto (128 bit), you will need to obtain domestic-grade NICI 1.3.1. Please visit Novell's Cryptography Web site (<http://www.novell.com/products/cryptography/>) or contact Novell for the domestic version of NICI 1.3.1.

If you are running an older version of NICI that contains exportable-grade crypto (56-bit), you can upgrade to NICI 1.3.1 by simply installing NICI 1.3.1 on the server.

To determine what version of NICI you are running:

- 1 Load NWCONFIG at the server console.
- 2 Select Product Options.

3 Select View/Configure/Remove Installed Products.

If NICU0 is listed, your version of NCI is domestic and needs to be deleted. If NICIW1 is listed, your version of NCI is exportable and can be upgraded by installing NCI 1.3.1.

To Install NCI

- 1 If you want to install the exportable version of NCI, go to the *install directory*\NICI1.3.1 directory. This directory was created when you extracted CERTSERV.EXE. If you want to install the domestic version of NCI, obtain the file NICI-U0.EXE from Novell.
- 2 Double-click on NICI-W1.EXE (exportable) or NICI-U0.EXE (domestic) and extract the contents to a diskette.
- 3 Insert the diskette into the server's diskette drive.
- 4 Enter LOAD NWCONFIG at the server's console.
- 5 Highlight Product Options > Install a product not listed, then press Enter.

You will be prompted to insert the first diskette of the product you wish to install.

- 6 Press Enter. The NCI installation will begin.
- 7 Follow the on-screen instructions.

Install Novell Certificate Server

- 1 Log in to the NDS tree as the administrator on the workstation that you will be installing Novell Certificate Server from. For the initial installation of Novell Certificate Server into your NDS tree, you will need to have Supervisor rights at the Root of the NDS tree. For subsequent installations, you will only need Browse rights to the W0 object.
- 2 Run INSTALL.EXE in *install directory*\CERTSERV. This launches the installation wizard.
- 3 Complete the product installation. Click Help for detailed information about any installation screen.

When you click Finish, the following processes are executed:

1. The files are copied to their appropriate directories.
2. The NDS schema is extended for Novell Certificate Server.

3. The following NDS objects and files are created, unless specified otherwise during the installation or unless they already exist:
 - ♦ A Security container
 - ♦ The KAP container—This is created within the Security container.
 - ♦ The W0 object —This is created within the KAP container.
 - ♦ The SAS Service object —This is created within the container that holds the target server object.
 - ♦ The Organizational Certificate Authority (CA) —This is created within the Security container.
 - ♦ A Server Certificate object —This is created within the container that holds the target server object.
 - ♦ The Trusted Root Certificate is exported to a file.

SET UP NOVELL CERTIFICATE CONSOLE

Novell Certificate Console is a standalone utility that can export a user certificate without having ConsoleOne running on the workstation. Novell Certificate Console is a convenient way to give user's access to their user certificates without having to give them access to ConsoleOne. Novell Certificate Console is included with Novell Certificate Server

You can set up Novell Certificate Console by running SETUP.EXE in the *install directory\CERTCONSOLE* directory and completing the installation.

You can also configure ZENworks to automate the distribution of Novell Certificate Console by using the ZENworks files that ship with Novell Certificate Server. The file CERTCNLS ZENWORKS.EXE, found in the *install directory\CERTCONSOLE* directory, is a self-extracting file that contains all the files you will need to distribute Novell Certificate Server using ZENworks.

Additional Information

For detailed overview, setup, and administration information, see the *Novell Certificate Server Administration Guide*. This document is located in the CERTSERV_ADMIN.PDF file that is included in the downloaded Novell Certificate Server software. You can also access this document on the Web at the [Novell Product Documentation website \(http://www.novell.com/documentation/\)](http://www.novell.com/documentation/).