

Add Name Space Notes

You need to add a name space to a volume only once by using the ADD NAME SPACE command.

Each time you mount a volume that you added a name space to (for example, each time you bring up the server), the corresponding name space module is automatically loaded. Therefore, you don't need to put the ADD NAME SPACE command in the AUTOEXEC.NCF file.

Adding TCP/IP Support

IMPORTANT: You need access to the Windows** NT** files to successfully set up TCP/IP.

1. Open the Control Panel.
2. Choose **Network**.
3. Choose the **Protocols** tab.
4. Choose **Add**.
5. Choose **TCP/IP Protocol**.
6. Choose **OK** and follow the onscreen instructions to select the components you want to install.
7. [Configure the TCP/IP protocol as necessary for your network.](#)
8. Choose **OK**.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

To add a tree and context pair

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell* IntranetWare* Client* for Windows** NT****.
6. Choose **Properties**.
7. Choose the **Add** button.
8. Enter a tree name in the **Enter Tree Name** field.
9. Type the context in the **Enter Default Context** field.
10. Choose **OK**.

The new tree and context pair appears in the list on the Client property page.

Adding Long Filename Support

In order to support long filenames, each IntranetWare, NetWare* 4*, and NetWare 3* server needs to have the OS/2** name space loaded. In addition, each volume needs to have the OS/2 name space added to it.

Each name space added to a volume requires additional server memory. If you add name space support to a volume and do not have enough memory, that volume cannot be mounted. For information about how to calculate the memory required for name space support, see *Supervising the Network* (for NetWare 4 or IntranetWare) or *System Administration* (for NetWare 3)

Each name space also uses up to 252 KB of disk space.

Once a name space is added to a volume, the name space can be removed from the volume only by deleting the volume and recreating it, or by using VREPAIR (see *Utilities Reference*).

The IntranetWare installation procedure places the OS2.NAM file (the OS/2 name space) in the SYS:SYSTEM directory. On NetWare 4.11 and IntranetWare servers, this name space is called LONG.NAM.

Advanced Settings: Environment, NETX Compatibility Group

The **Environment, NETX Compatibility** group contains the following parameters:

[Receive Broadcast Messages](#)

[DOS Name](#)

[Long Machine Type](#)

[Short Machine Type](#)

To access this parameter group

1. Open the [property pages](#).
2. Choose the **Advanced Settings** tab.
3. Choose the **Environment, NETX Compatibility** parameter group.

Advanced Settings: List by Parameter Group

The parameters that you can set in the property pages can be listed by the following parameter groups:

Environment, NETX Compatibility group

Performance, Cache group

Packet Management group

WAN group

Advanced Settings: List by Parameter Name

The **Advanced Settings** tab allows you to set the following parameters:

[Receive Broadcast Messages](#)

[DOS Name](#)

[Large Internet Packets](#)

[Large Internet Packet Start Size](#)

[Long Machine Type](#)

[Link Support Layer Max Buffer Size](#)

[Minimum Time To Net](#)

[Opportunistic Locking](#)

[Burst Mode](#)

[Max Read Burst Size](#)

[Max Write Burst Size](#)

[Signature Level](#)

[Short Machine Type](#)

To access these parameters

1. Open the [property pages](#).
2. Choose the **Advanced Settings** tab.
3. Choose the **All** parameter group.

Advanced Settings: Packet Management Group

The **Packet Management** group contains the following parameters:

[Link Support Layer Max Buffer Size](#)

[Burst Mode](#)

[Max Read Burst Size](#)

[Max Write Burst Size](#)

[Signature Level](#)

To access this parameter group

1. Open the [property pages](#).
2. Choose the **Advanced Settings** tab.
3. Choose the **Packet Management** parameter group.

Advanced Settings: Performance, Cache Group

The **Performance, Cache** group contains the following parameter:

Opportunistic Locking

To access this parameter group

1. Open the property pages.
2. Choose the **Advanced Settings** tab.
3. Choose the **Performance, Cache** parameter group.

Advanced Settings: WAN Group

The **WAN** group contains the following parameters:

Large Internet Packets

Large Internet Packet Start Size

Minimum Time To Net

To access this parameter group

1. Open the property pages.
2. Choose the **Advanced Settings** tab.
3. Choose the **WAN** parameter group.

Allowing Users to Change Compression

To allow users to change the compression attributes using the **NetWare*** **Folder** property page, check this check box.

To prevent users from changing the compression attributes using the **NetWare Folder** property page, uncheck this check box.

Notes

- The compression attributes are Don't Compress and Immediate Compression.
- By default, users can change the compression attributes using the **NetWare Folder** property page.
- If the **Allow Users to Change Extended Properties** check box is unchecked, this setting is ignored and users cannot change the compression attributes, which are a subset of the extended properties.
- You can change this setting using the System Policy Editor.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Allowing Users to Change Extended Properties

To allow users to change extended properties using the **NetWare*** **File** or **NetWare Folder** property page, check this check box.

To prevent users from changing extended properties using the **NetWare File** or **NetWare Folder** property page, uncheck this check box.

Notes

- The extended properties for files are Rename Inhibit, Sharable, Delete Inhibit, Transactional, Copy Inhibit, and Purge Immediate.
- The extended properties for folders are Don't Compress, Immediate Compression, Rename Inhibit, Purge Immediate, and Delete Inhibit.
- By default, users can change the extended properties using the **NetWare File** or **NetWare Folder** property page.
- You can change this setting using the [System Policy Editor](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Auto detect configuration: Select this parameter if DHCP is configured to provide NetWare/IP* parameters.

Notes

- You can change this setting by choosing Novell* NetWare/IP Adapter, choosing **Properties**, then choosing the **Parameters** tab.
- You cannot change this setting by using the System Policy Editor or UNATTEND.TXT.

Automatic Client Upgrade Contents

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Automatic Client Upgrade Overview

Introduction

Novell's Automatic Client Upgrade (ACU) provides a way to automatically upgrade Novell* IntranetWare* Client* for Windows** NT** software. When SETUPNW.EXE is run with the /ACU option, ACU examines the workstation and determines whether the Novell client software is outdated. If it is, the latest version is automatically installed.

ACU uses version numbers to determine whether the client needs to be upgraded. ACU compares the version number of the currently installed client with the number of the new client in the new install directory. If the new client software version number is greater than the client version number, SETUPNW.EXE continues with the installation. If the SETUPNW number is not greater, then SETUPNW exits without installing a new version of the software.

In addition to this version number, the NT Administrator can set a pair of internal version numbers in the UNATTEND.TXT file. The internal version numbers make it so an NT Administrator can update the client installed in a particular organization if, for example, network changes make client configuration changes necessary even if the actual client version has not changed.

Notes

The NT Administrator should consider the following points before using ACU:

- The ACU procedure, like any other Novell IntranetWare Client for Windows NT installation procedure, requires that the person doing the installation have NT Administrator privileges on the workstation where the client software will be installed.
- You can run SETUPNW /ACU from any login script or profile, provided that the proper drives are mapped and paths and filenames are specified using the UNC style (*drive:\path\filename*).

See also

Using ACU

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Bindery Connection check box

When you choose **Log in to server**, the **Bindery connection** check box becomes available. Check this check box if you want to log in to the server with Bindery Services rather than with Novell* Directory Services*.

Bitmap Filename option

Use this option to specify the bitmap that appears on the welcome screen that appears when you start Windows** NT**. You can specify any bitmap that you want to use. The bitmap must be located in the Windows NT directory.

Default: NWELCOME.BMP

You can also set the bitmap filename in the UNATTEND.TXT file.

Broadcast SAP nearest server queries to network: To have the NetWare*/IP* client find the nearest IntranetWare server by broadcasting the request on the local network, check this check box. To have the NetWare/IP client find the nearest IntranetWare server by sending the request to a NetWare/IP server or DSS, uncheck this check box.

Default: OFF (unchecked)

Notes

- Tells the NetWare/IP client which method to use to determine the nearest IntranetWare server.
- This is an optional setting for NetWare/IP.
- You can change this setting by using any of the following:

The **Parameters** tab of **Novell* NetWare/IP Adapter**

The UNATTEND.TXT file

The System Policy Editor

Burst Mode parameter

The Burst Mode parameter controls the use of the Packet Burst* protocol for file input/output. Generally, Packet Burst reduces overall network traffic and improves performance.

If you have a network board that has low performance and your network performance is slow, you might try enabling Packet Burst.

Values: ON, OFF

Default: ON

Advanced Parameter Group: Packet Management

To set or change this parameter, use either the [property pages](#) or the [UNATTEND.TXT](#) file.

Caption option

Use this option to specify the text that appears in the header on the welcome screen that appears when you start Windows** NT**. You can specify any text that you want to appear.

Default: Begin Login

Example: Hello, Maria!

You can also set the header text in the UNATTEND.TXT file.

Changing the LAN Driver for Your Network Adapter

1. (Conditional) If you have not already run the install program (SETUPNW.EXE), run it.
2. (Conditional) If the **Network** control panel is not displayed, open it.
3. Choose the network adapter that is installed.
4. Choose **Remove**.
5. Choose **Add**.
6. Choose the adapter from the list.
7. Choose **OK**.
You might be prompted to enter the path to where the driver for that adapter is located. If so, enter the path in the space provided and click **OK**.
8. Fill in the adapter configuration information.
9. Choose **OK**.
10. Enter any driver-specific information that you are prompted to enter.

Notes

- The new LAN driver is not used until after you restart your computer.
- If an ODI* LAN driver for your network adapter is already installed when you installed the client, that LAN driver is used unless you change it.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Checking for a Valid Network Connection

To check for a valid network connection

1. Open Network Neighborhood.
2. Check that the networks you expect to see actually appear in the **Network Neighborhood** window.

Choosing a Network Adapter Card Driver

If you have been using the Microsoft** client for NetWare* before installing the Novell* IntranetWare* Client* for Windows** NT**, you have been using an NDIS** driver for your network adapter card. You can continue to use this NDIS driver with the Novell Client for Windows NT, or you can install a Novell ODI* driver.

Consider these factors before changing your driver:

- There are a limited number of ODI drivers available for this release. Check to see if an ODI driver is available for your adapter card before changing drivers.
- The Novell IntranetWare Client for Windows NT works automatically with an installed NDIS driver. You do not need to install another driver or change your configuration.
- If you install an ODI driver and then uninstall the client, the ODI driver will be removed. A new driver must be installed before you can establish a network connection.

Your Windows** NT** documentation explains how to choose a driver.

After installing an adapter card, you might need to [configure](#) it.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Clear current connections

When you check the **Clear current connections** check box, any server connections that you've already made will be cleared when you log in.

You can also set the Clear current connections option from the [UNATTEND.TXT](#) file.

Close script results automatically

When the login routine runs, a box appears on the screen. This box provides information about the processing of the login and the login scripts. If you check the **Close script results automatically** check box, this box closes, unless errors occur during the login.

You can also set the Close script results automatically option from the UNATTEND.TXT file.

Configuring Novell IntranetWare Client for Windows NT

1. Open the **Network** control panel.
2. Choose **Novell IntranetWare Client for Windows NT** under the **Services** tab.
3. Choose **Properties**.
4. Ensure the following properties are set correctly.
 - First Network Drive
Sets the first network drive to the drive letter of choice when you connect to an IntranetWare* server.
 - Preferred Server
For a bindery connection to the network, specify the IntranetWare* server you want to attach to first.
 - Preferred Tree and Context pair
For an NDS* connection to the network, specify the Directory tree that you want to connect to.
Also, specify the position, or context, in the Directory tree where your User object is located. For example, to set your name context to the MNGT organizational unit in the MARKETING organization, enter
OU=MNGT.O=MARKETING
5. Choose **OK** to save any changes to the properties.
6. Choose **Close** to exit the **Network** control panel and save your changes.
Your changes take effect when you reboot your workstation.

Notes

- For more information about configuring Novell* IntranetWare Client* for Windows** NT**, see the [configuration overview](#).
- For information about customizing your configuration, see [Customize Notes](#).

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Configuring NetWare/IP

1. Display the Network control panel.
2. Choose the **Adapters** tab.
3. Choose **Novell* NetWare*/IP* Adapter**.
4. Choose **Properties**.
5. Specify the **NetWare/IP Domain name**.
6. Specify any other settings as appropriate.
7. Choose **OK**.
8. Choose **Close**.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Configuring TCP/IP Support

1. Open **Control Panel**.
2. Choose **Network**.
3. Choose the **Protocols** tab.
4. Choose **TCP/IP Protocol**.
5. Choose **Properties**.
6. Make any necessary changes, as described in the Windows** NT** documentation.
7. Choose **OK**.

NetWare*/IP* requires that DNS be configured either manually or via DHCP.

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Configuring Global Novell IntranetWare Client for Windows NT Settings with System Policies

Overview

[Overview of Global Novell* IntranetWare* Client* for Windows** NT** Settings](#)

Procedure

[How to Create Global Settings](#)

Reference

[List of Global Novell IntranetWare Client for Windows NT Settings](#)

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To copy the Novell IntranetWare Client for Windows NT software to a network directory

1. Make a subdirectory named CLIENT\NT on a network drive.

The subdirectory can be on either an IntranetWare* server or a Windows** NT** server.

2. Copy the files from the Novell* IntranetWare Client* for Windows NT CD to the network directory.

Use the My Computer **Copy** option to copy the files from the CD to the network directory.

Or, from a DOS prompt, enter:

```
XCOPY D: H:\PUBLIC\CLIENT\NT /S /E /C
```

(assuming D: is your CD drive and H: is your network drive)

You can also set up your CD-ROM drive as a volume on your network. This allows you to run the client installation programs directly from the CD-ROM. Refer to your network documentation for instructions.

Creating Global Settings for Novell IntranetWare Client for Windows NT

1. Start the Microsoft** System Policy Editor (POLEDIT.EXE).
2. Open the desired policy template.
The path to the Novell* IntranetWare* Client* for Windows** NT** policy template on the installation CD is:
drive:\1386\NLS\English\NWNT.ADM
3. Begin editing a new policy file.
4. Set the values for the Novell* IntranetWare* Client* for Windows** NT** properties.
5. Save the policy file as NTCONFIG.POL.
The policy must be saved to the SYS:\PUBLIC\WINNT directory of each IntranetWare server acting as the preferred server for any workstation using this policy file.

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Creating an ACU Install Folder

In order for the Automatic Client Upgrade to work, the client needs access to a folder where all the installation files are stored. To make this happen, the network supervisor needs to do the following

1. Create a folder for the Automatic Client Upgrade.
2. Copy all Novell* IntranetWare* Client* for Windows** NT** installation files into the ACU install folder.
3. Make sure that all clients scheduled for automatic upgrade have Read and File Scan rights to the ACU install folder.

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Creating Installation Diskettes from CD-ROM

1. Gather eleven formatted diskettes.
2. Insert the Novell* IntranetWare* Client* for Windows** NT** CD-ROM into your CD-ROM drive.
3. Run MAKEDISK.BAT from the root directory of the CD-ROM.
4. Insert and label the diskettes as prompted.

Label the diskettes:

"Novell IntranetWare Client for Windows NT (I386) Disk 1"

"Novell IntranetWare Client for Windows NT (I386) Disk 2"

"Novell IntranetWare Client for Windows NT (I386) Disk 3"

"Novell IntranetWare Client for Windows NT (I386) Disk 4"

"Novell IntranetWare Client for Windows NT (I386) Disk 5"

"IntranetWare ODI LAN Drivers Disk"

"IntranetWare Client for Windows NT Utility Disk 1"

"IntranetWare Client for Windows NT Utility Disk 2"

"IntranetWare Client for Windows NT Utility Disk 3"

"IntranetWare Client for Windows NT Utility Disk 4"

"IntranetWare Client for Windows NT Utility Disk 5"

"IntranetWare Client for Windows NT Utility Disk 6"

"IntranetWare Client for Windows NT Utility Disk 7"

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Custom configuration: Select this parameter if DHCP is not configured to provide NetWare*/IP* parameters, or if you need to customize the NetWare/IP parameters for this workstation.

Notes

- You can change this setting by using either of the following:
The **Parameters** tab of **Novell* NetWare/IP Adapter**
The System Policy Editor
- You cannot change this setting by using UNATTEND.TXT.

Customize Notes

You can use the **Network** control panel to do any of the following in order to customize your workstation.

- Configure Novell* IntranetWare* Client* for Windows** NT**
- Change the LAN driver for your network adapter.

Do not remove **IPX*/SPX*-compatible Protocol**

When you are finished, choose **OK** on the **Network** control panel and restart your computer.

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Dynamic Host Configuration Protocol (DHCP)

The rules by which an IP address can be assigned to a workstation when the workstation requests one. The IP address is assigned to the workstation only temporarily. The next time the workstation requests an IP address, it might or might not be assigned the same one.

For more information about DHCP, refer to the Microsoft documentation.

Domain Name Service (DNS)

A standardized system that provides information about hostname and IP* address mapping throughout an internetwork. DNS maintains this information in a decentralized distributed database.

DOS Name parameter

Sets the name of the operating system used in the shell.

Default: WINNT

Example: MSDOS

Notes

- This value can be 1 to 5 characters long.
- The %OS variable in the login or profile script uses this variable when mapping a search drive to the network DOS directory.
- Novell* IntranetWare* Client* for Windows** NT** automatically recognizes WINNT and sets this option. However, setting this option overrides the auto-detect feature.
- You can change this setting by using any of the following:

Property pages

The System Policy Editor

UNATTEND.TXT

Domain SAP/RIP Server (DSS)

A service on a NetWare*/IP* network that replaces IPX* broadcast services. DSS servers maintain a database that provides NetWare/IP servers and clients with SAP/RIP information (service availability and routing) required by NetWare applications.

Description

The **Description** box shows a brief explanation of the chosen parameter.

Displaying NetWare/IP Properties

1. Display the **Network** control panel.
2. Choose the **Adapter** tab.
3. Choose **Novell* NetWare*/IP*** protocol.
4. Choose **Properties**.

Notes

To display a property page (**Servers** or **Parameters**), click its corresponding tab.

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If you want a window to show you how the login is progressing while you log in, check the **Display Results** check box.

Editing a New Policy File

1. (Conditional) If you haven't started the System Policy Editor, start it now.
2. Choose **File**.
3. Choose **New File**.
4. Enter the policy settings.

Enabling Packet Burst Mode

You can turn on or turn off Packet Burst* mode to control the performance of the workstation.

To turn on or turn off Packet Burst mode:

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose the **Network** icon.
4. Choose the **Services** tab.
5. Choose **Novell* IntranetWare* Client* for Windows** NT****.
6. Choose **Properties**.
7. Choose **Advanced Settings**.
8. Set **Burst Mode** on or off, as desired.
Choose **Help** for more information on this parameter.
9. Choose **Close**.

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Enabling the Display Connection Page Option

Choosing **Display Connection Page** causes the **Connection** tab to become visible in the **Login** window. The **Connection** tab allows you to configure the same parameters that appear on the **Display connection page** from the **Login** window.

You can also enable the Display Connection Page option from the UNATTEND.TXT file.

The **Display connection page** section of the **Login** properties page includes several options:

- **Log in to tree** button
- **Log in to server** button
- **Clear current connections** check box
- **Bindery connection** check box

Enabling the Display Script Page Option

Choosing **Display Script Page** causes the **Script** tab to become visible in the **Login** window. The **Script** tab allows you to configure the same parameters that appear on the **Display script page** from the **Login** window.

You can also enable the Display Script Page option from the UNATTEND.TXT file.

The **Display script page** section of the **Login** properties page includes several options:

- **Login Script** field
- **Profile Script** field
- **Display results window** check box
- **Close script results automatically** check box
- **Run scripts** check box

Enabling the Display Variables Page Option

Choosing **Display Variables Page** causes the **Variables** tab to become visible in the **Login** window. The **Variables** tab allows you to configure the same parameters that appear on the **Display variables page** from the **Login** window.

You can define up to four variables to be used by the login scripts. You or your network supervisor can set up your log in scripts to use these variables.

You can also set the Display Variables Page option from the UNATTEND.TXT file.

Using the Display RAS Page Option

Choosing **Display RAS Page if dialup networking is installed** causes the **RAS** tab to become visible in the **Login** window. The **RAS** tab allows you to configure Remote Access Services.

You can also enable the Display RAS Page option from the UNATTEND.TXT file.

Login Script

```
#\\LAHF\SYS\PUBLIC\CLIENT\ACU\SETUPNW.EXE /ACU /U
```

Features of the Install Utility

Features

- Install or update Novell* IntranetWare* Client* for Windows** NT** software running on a Windows NT workstation
- Perform simultaneous unattended installations on multiple workstations across the network
- Configure client and configuration settings during installation by setting parameters in a text file used during unattended installation
- Install the client using a simple graphical interface
- Automatically upgrade the client so that it is installed when you log in
- Detect and replace Microsoft** NetWare client (the Microsoft and Novell clients cannot be installed on the same workstation)
- Install from diskette, hard disk, server volume, or CD-ROM
- Remove source routing (if enabled) when you install NetWare/IP*

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

File and Folder Shell Extension Overview

You can use these settings to restrict what users can do using the **NetWare*** **Folder**, **NetWare File** and **NetWare Rights** property pages.

These property pages apply to files, folders, and volumes that are located on the network.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

File and Folder Shell Extension Settings

Overview

[Overview](#)

Procedures

[Allowing Users to Change Extended Properties](#)

[Allowing Users to Change Compression](#)

First Network Drive parameter

Sets the first network drive to the drive letter of choice when you connect to an IntranetWare* server.

Note: The first network drive applies to any user logging in to the network using this workstation.

To set or change the first network drive

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Properties**.
7. Choose the letter of the first network drive from the pull-down list in the **First network drive** field.
8. Choose **OK**.
9. Choose **OK** again to exit the Network control panel.

You can also set the first network drive in the UNATTEND.TXT file.

Note: Your change does not take effect until the next time you log in to IntranetWare.

Forcing an Upgrade

In some cases, a network supervisor might update one or more files without upgrading the entire client. For example, if Novell, Inc. releases a new version of a file with additional functionality, the supervisor might decide that all clients need to use this file. Because this isn't a new version of the Novell* IntranetWare* Client* for Windows** NT**, there isn't a client revision number for ACU to check and the client will not be automatically upgraded. In this case, the supervisor can force the clients to upgrade, using ACU, so that all clients use the newer file.

In the UNATTEND.TXT file used for unattended install (located in the I386\NLS\language folder), there are two version parameter numbers:

- Major Internal Version
- Minor Internal Version

The version parameters can be any number from 0 through 4,294,967,295. These version numbers are used to decide when the client upgrades. To force the upgrade, the supervisor must make the version number higher than it is when UNATTEND.TXT is first opened (for example, if the number is 0, make it a 1). With this done, ACU compares the version numbers upon client login, finds the discrepancy, and upgrades the client to the system's newer files.

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Upgrading from Microsoft Client Using ACU

If you are using the bindery-based Microsoft** Client for NetWare* Networks, SETUPNW.EXE must be run from the user's bindery login script (located in the SYS:MAIL directory) in order for the [Automatic Client Upgrade](#) to work. When using ACU with the Microsoft Client for NetWare Networks Service for Novell Directory Services*, SETUPNW.EXE must be placed in the login script that corresponds with the type of login (bindery or NDS).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Installation Overview

After your workstations and servers are prepared, use one of the following methods to install Novell* IntranetWare* Client* for Windows** NT** software.

- Using Unattended Install to install Windows NT and Novell IntranetWare Client for Windows NT at the same time

By configuring the UNATTEND.TXT file, you can install both Windows NT and Novell IntranetWare Client for Windows NT on one or more workstations over the network.

- SETUPNW.EXE utility provides easy installation

This option is the best choice if you are installing Novell IntranetWare Client for Windows NT for the first time on one or more workstations, or if you want to upgrade a workstation. SETUPNW.EXE provides an easy graphical interface for installation.

To further simplify installation, especially if you are installing Novell IntranetWare Client for Windows NT on multiple workstations, you can set configuration options by using the UNATTEND.TXT file (if you run SETUPNW.EXE with the /U option).

Use the unattended installation option to install and configure Novell IntranetWare Client for Windows NT without having to be present. This feature saves a great deal of time, especially if you need to install the software on multiple workstations.

- Using the Automatic Client Upgrade feature

This is a good method to use to automatically upgrade multiple workstations from the Client for NetWare Networks to Novell IntranetWare Client for Windows NT.

- Installing from the Windows NT Network control panel

This method makes it possible to use the **Network** control panel to install Novell IntranetWare Client for Windows NT, as you would other services.

See Also

[Start installation notes](#)

[Removing Novell IntranetWare Client for Windows NT](#)

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Installing Administration Utilities

Novell* IntranetWare* Client* for Windows** NT** software comes bundled with a pair of IntranetWare administration utilities, NetWare Administrator NT (NWADMNNT) and Novell Workstation Manager.

The administration utilities require approximately 20 MB of hard disk space.

To install the administration utilities

1. Locate the ADMSETUP.EXE icon in the I386 directory on the Novell IntranetWare Client for Windows NT CD.
2. Double-click ADMSETUP.EXE.
3. Choose **Yes** to accept the Novell Terms and Conditions.
If you choose **No**, you will not be able to install the administration utilities.
4. Choose **Continue** after reading the Administrator Utility title screen.
If you choose **Cancel**, you will not be able to complete the installation.
5. Choose the utilities you want to install by checking the check box next to the utility's name.
There are two choices, NetWare Administrator and Workstation Manager.
6. Choose a server from the **To Server** list.
You must have sufficient rights to write files to the server. You should choose a server that you have Administrator rights to.
7. Choose **OK**.
A progress screen with two progress bars appears. The top bar shows which application is being installed. The bottom bar shows the percentage of files that have been installed.
When the files are installed, the **Installation Complete** dialog box appears.
8. Choose **Run NW Admin** to start NetWare Administrator.
OR
Choose **Close** to exit the installer without starting NetWare Administrator.

See Also

[Installing NetWare Administrator snap-ins](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

To install the DS Migrate and File Migrate snap-in modules

In order to use the DS Migrate and File Migrate snap-ins, you must add two String Values to the following key in the registry. To do this, follow these steps:

1. Close NetWare Administrator.
2. Run REGEDIT (in the WINNT subdirectory).
3. Click on the following keys, in order, to expand the registry.
HKEY_CURRENT_USER / Software / NetWare / Parameters / NetWare Administrator / Snapin Object DLLs
WINNT

If any of the keys don't exist, create them by following this example: the **NetWare Administrator** parameter exists in the Parameters section, but the **Snapin Object DLLs WINNT** parameter doesn't exist within the NetWare Administrator section.

1. Highlight the NetWare Administrator section.
2. Right click.
3. Choose **New Key** from the popup menu.
4. Enter the following:
Snapin Object DLLs WINNT
5. Choose **Snapin Object DLLs WINNT** to expand that section.
6. Follow the steps under "String Values")

String Values

- 1> name: DSMGSNNT.DLL
value: "DSMGSNNT.DLL"
- 2> name: MIGSNPNT.DLL
value: "MIGSNPNT.DLL"

7. With the **Snapin Object DLLs WINNT** section highlighted, right click on that option.
8. Choose New.
9. Choose String Value.
10. Enter the name listed in 1> above.
11. Right click on that String name.
12. Choose Modify.
13. Enter the value listed in 1> above.
14. Repeat for 2> above.

Close RegEdit before trying to run NetWare Administrator.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

To install NDS Manager

To set up NDS* Manager so that it can be accessed from the Tools menu in NetWare* Administrator, do the following:

1. Launch the Windows NT NetWare Administrator (using no command line parameters)
2. From the Options menu, choose **Save Settings on Exit**.
3. Close the NetWare Administrator.
4. Run REGEDT32.EXE (the Windows NT registry editor).
5. Choose **HKEY_CURRENT_USER\Software\NetWare\Parameters\NetWare Administrator**.
6. With **Snapin Object DLLs WINNT** highlighted, choose **Add Value** from the Edit menu.
7. Type NMSNAPNT.DLL in the **Value Name** field.
8. In the **Data Type** field, choose REG_MULTI_SZ from the pulldown menu.
9. Choose **OK**.
10. Type NMSNAPNT.DLL in the **Data** field and choose **OK**.
11. Exit the Registry Editor. The next time you launch NetWare Administrator, you should see NDS Manager as an option under the Tools menu.

Running NetWare Administrator with the /N command line parameter

If you are running NetWare Administrator with the /N command line parameter (which causes your preferences to be registered in your User object in the Directory), do the following:

1. Open the NetWare Administrator for Windows NT.
2. Choose the User object who will use NDS Manager.
3. Right-click and choose **Details**.
4. Choose the **NetWare Registry Editor** button.
5. Under **Key**, choose **SNAPIN OBJECT DLLS WINNT**.

Note: If there is nothing in the NetWare Registry Editor, add SNAPIN OBJECT DLLS WINNT by choosing the **Add** button under **Key**.

6. Under **Values**, choose **Add**.
7. In **Value Name**, enter NDSMGR.
8. In **Value**, enter NMSNAPNT.DLL.
9. Choose **String** as the type.
10. Choose **Add**.
11. Choose **OK**.
12. Exit the Registry Editor.

The next time you launch NetWare Administrator, you should see NDS Manager as an option under the Tools menu.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Installing NetWare Administrator Snap-ins

You can extend the NetWare Administrator utility by adding snap-in modules. When you add a snap-in module, the snap-in becomes a part of NetWare Administrator and can be accessed from the NetWare Administrator menus.

Novell* IntranetWare* Client* for Windows** NT** includes these snap-in modules:

[DS Migrate](#)

[File Migrate](#)

[NDS Manager](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Setting Up NetWare/IP

NetWare/IP* allows workstations running Novell* IntranetWare Client* for Windows** NT** to connect to the network using the TCP/IP protocol. It provides a variety of TCP/IP services.

There are two methods you can use to install NetWare/IP:

- Preconfigure the UNATTEND.TXT file to install NetWare/IP when installing Novell IntranetWare Client for Windows NT
- Install NetWare/IP on a single workstation by using the **Network** control panel

IMPORTANT: You need access to the Windows NT files and the Novell IntranetWare Client for Windows NT files to successfully set up NetWare/IP.

See also:

To install NetWare/IP with the UNATTEND.TXT file

To install NetWare/IP with the Network control panel

Notes

- NetWare/IP requires TCP/IP. If TCP/IP is not installed, you will be prompted to install it.
- NetWare/IP requires that the TCP/IP protocol stack be Transport Driver Interface (TDI)-compliant.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Installing NetWare/IP during an Unattended Install

The UNATTEND.TXT file includes two options that allow you to install NetWare*/IP* during an unattended install:

- [Ask NetWareIP](#)
- [Install NetWareIP](#)

These two options work together. The following scenarios are possible:

1. AskNetWareIP=NO InstallNetWareIP=NO
Nothing happens. You are not asked whether you want to install NetWare/IP, and NetWare/IP is not installed.
2. AskNetWareIP=NO InstallNetWareIP=YES
NetWare/IP is installed automatically without asking whether you want to install it.
3. AskNetWareIP=YES
You are asked whether you want to install NetWare/IP. You can choose YES to install or NO to not install. If you set AskNetWareIP to YES, it is not necessary to set the InstallNetWareIP parameter. You can, however, set the InstallNetWareIP parameter anyway to determine whether the YES or NO button is the default button on the prompt that appears.
4. AskNetWareIP=YES InstallNetWareIP=YES
The prompt that asks whether you want to install NetWare/IP displays with the YES button as the default.
5. AskNetWareIP=YES InstallNetWareIP=NO
The prompt that asks whether you want to install NetWare/IP displays with the NO button as the default.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Installing Remote Access Services

To install Remote Access Services (RAS)

1. Open the Control Panel.
2. Choose **Network**.
3. Choose the **Services** tab.
4. Choose **Add**.
5. Choose **Remote Access Services**.
6. Answer the questions for the components that are needed.
This will set up a group for the Remote Access Services.
7. In the Novell* IntranetWare* Client* Services configuration, either specify the preferred server and tree where you want to initially log in, or specify under the **Login** tab the options you want to change upon login.

See Also

[Starting Remote Access Services](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Installing a Driver for the Network Adapter Card

If you have an ODI* driver that doesn't have a corresponding NDIS** driver, you must install a network adapter card driver. If you've already installed a driver, but want to change it, you can do so.

Complete this procedure after installing the Novell* IntranetWare* Client* for Windows** NT** software on the workstation.

To install a network adapter card driver

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. From the control panel, choose **Network**.
4. From the **Network Settings** dialog box, choose **Add Adapter**.
5. Choose the type of network adapter card that is installed in the workstation and choose **OK**. To install an ODI driver, select an ODI driver. If the driver you want is not available, choose **Cancel**.
If you chose a driver, you are prompted to enter the adapter settings, then the path to the place where the driver can be installed from.
6. Enter the path where the driver can be found and insert the disk or CD if necessary; then choose **Continue**.
7. Choose the settings for the network adapter card in the dialog box and choose **OK**.
Choose **Help** for more information on these settings.
8. Choose the frame type used on your network, and then choose **OK**. If you don't know the frame type, choose **AUTODETECT**.
Choose **Help** for more information on this setting.
9. From the **Network Settings** dialog box, choose **OK**.
You must restart the workstation for the Novell IntranetWare Client for Windows NT to become active.
Note: After installation, IntranetWare client components appear in the **Installed Network Software** and **Installed Adapter Cards** lists in the **Network Settings** dialog box where they can be configured.

See Also

[Choosing a network adapter card driver](#)

[Removing a network adapter card driver](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Installing from the Network Control Panel

Before installing the Novell* IntranetWare* Client* for Windows** NT** software, make sure that your workstation meets the necessary [prerequisites](#).

To install the client software on the workstation

1. Log in to the Windows NT workstation as an NT user who is a member of the Administrators group.
2. From the **Start** menu, choose **Settings**.
3. Choose **Control Panel**.
4. From the Control Panel, choose **Network**.
5. Choose the **Services** tab.
6. Choose **Add**.
7. Choose **Have Disk**.
8. Enter the path to the Novell IntranetWare Client for Windows NT files on the CD or network.
For example, enter
D:\I386
8a. (Optional) Insert the IntranetWare CD into the CD-ROM drive and choose **OK**.
9. From the **Select OEM Option** dialog box, choose **Novell IntranetWare Client for Windows NT** and choose **OK**.
The client software and driver are installed on the workstation.

After installing Novell IntranetWare Client for Windows NT, you must [configure](#) it.

If a network adapter card driver is not installed, you must [install](#) a card driver before you can establish a network connection.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Large Internet Packet Start Size parameter

This parameter determines the starting value for negotiating the Large Internet Packet (LIP) size. Setting this value can reduce the initial negotiation time for packet size over slow links.

Range: 1 to 65535 bytes

Default: 65535

Advanced Parameter Group: WAN

You can also set this parameter from the UNATTEND.TXT file.

Large Internet Packets parameter

Use this parameter to enable or disable Large Internet Packet (LIP) support. When the parameter is enabled (ON), Novell* IntranetWare* Client* for Windows** NT** uses the maximum packet size negotiated between the IntranetWare server and the client workstation--even across routers and bridges. If the maximum packet size supported by the network is smaller than the negotiated packet size, the size supported by the network is used.

Values: ON, OFF

Default: ON

Advanced Parameter Group: WAN

You can also set this parameter from the UNATTEND.TXT file.

Link Support Layer Max Buffer Size: Specifies the maximum supported packet size in bytes. Use this setting to optimize performance for media (primarily token ring) that can use packets that are larger than the default size.

Default: 4736

Range: 100 to 24682 (bytes)

Notes

- If your network board uses bus-mastering, increasing this setting increases system memory usage. Otherwise, system memory usage is usually unaffected by this setting.
- You can change this setting by using any of the following:
 - The [property pages](#)
 - [UNATTEND.TXT](#)
 - The [System Policy Editor](#)

List of Global Novell IntranetWare Client for Windows NT Settings

Novell* IntranetWare* Client* for Windows** NT**

[NT Client](#)

[Login Options](#)

[Advanced Settings](#)

[Network Provider](#)

Novell NetWare/IP*

[Parameters](#)

[Servers](#)

File/Folder Shell Extensions

[File and Folder Shell Extension Settings](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Log in to server

If you choose the **Log in to server** radio button, you will log in to an IntranetWare* server when you log in to the network. This means that you can access files, applications, and other services available from that server. If you choose to make a bindery connection, you cannot access other Directory Services objects that are not available on that server.

When you choose **Log in to server**, the Bindery connection check box becomes available.

You can also set the Log in to server option from the UNATTEND.TXT file.

Log in to tree

If you choose the **Log in to tree** radio button, you will log in to an NDS* tree when you log in to the network. Choosing this option allows you to access services such as printers and servers that are available on that tree.

You can also set the Log in to tree option from the [UNATTEND.TXT](#) file.

Login Script

The **Login Script** field sets the name of the login script that you want to use when logging in to IntranetWare*. You can also set the Login Script option from the UNATTEND.TXT file.

Long Machine Type parameter

Tells the Novell* IntranetWare* Client* for Windows** NT** software what type of machine is being used each time the %MACHINE variable is accessed.

Default: IBM_PC

Example: COMPAQ

Notes

- Use this setting to set the machine's search path to the correct version of DOS.
- You can change this setting by using any of the following:

Property pages

The System Policy Editor

UNATTEND.TXT

Max Read Burst Size parameter

This parameter specifies the maximum read burst size that the client can request from the server.

Range: 1 to 65536 (bytes)

Default: 36000

Advanced Parameter Group: Packet Management

You can also set this parameter from the UNATTEND.TXT file.

Notes

- Max Read Burst Size values smaller than the maximum packet size supported by the medium effectively disable Packet Burst for file reads.
- The client will try to request a read burst of the maximum size only if network conditions allow it.

Max Write Burst Size parameter

This parameter specifies the maximum write burst size that the client can request from the server.

Range: 1 to 65536 (bytes)

Default: 15000

Advanced Parameter Group: Packet Management

You can also set this parameter from the UNATTEND.TXT file.

Notes

- Max Write Burst Size values smaller than the maximum packet size supported by the medium effectively disable Packet Burst for file writes.
- The client will try to request a write burst of the maximum size only if the network conditions allow it.
- Increasing this value beyond its default might be detrimental to server performance.

Minimum Time To Net parameter

This parameter is used for bridged WAN/satellite links with time-to-net values set too low for workstations to make a connection under either of the following conditions:

- The server on the other side of the link is not running Packet Burst*
- The transfer rate for the link is 2400 baud or less
For 2400 baud, set this parameter to 10000 milliseconds.

Range: 0 to 65535 milliseconds

Default: 0

Advanced Parameter Group: WAN

You can also set this parameter from the UNATTEND.TXT file.

Modifying the Login Script and UNATTEND.TXT

Depending on which login script is modified, the network supervisor can allow different clients to upgrade.

- If the user login script is modified, only that user will automatically upgrade.
- If the container login script is modified, all clients in that container will automatically upgrade.
- If the profile login script is modified, all clients using that login script will automatically upgrade.

In order for the Automatic Client Upgrade to work, the supervisor needs to make sure that all clients accessing the Automatic Client Upgrade have Read and File Scan rights to the folder where the Novell* IntranetWare* Client* for Windows** NT** installation files are stored. With this done, the supervisor adds `#\\servername\volume\...\setupnw.exe /acu /u` to the login script.

Example

In addition to modifying the login script, the supervisor can modify the UNATTEND.TXT file. This allows the install utility to set the client's configuration options automatically. The following command installs Novell IntranetWare Client for Windows NT using both the ACU and Unattended options:

setupnw.exe /acu /u

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

NetWare/IP Support Prerequisites:

Before you can use NetWare*/IP* Support, you must have

- Microsoft's TCP/IP Services installed on your Windows** NT** workstation
See your Windows NT documentation for instructions on installing TCP/IP.
- Access to a NetWare/IP Server on the network

Nearest NetWare/IP Servers: Specifies the nearest NetWare*/IP* servers.

Default: None

Notes

- This setting is used as a guide for locating the Nearest NetWare*/IP* servers. If the specified servers are not available, the DSS will provide others to use.
- This is an optional setting for NetWare/IP.
- You can specify up to 5 nearest NetWare/IP servers.
- Specify the NetWare/IP server names as DNS hostnames, fully qualified hostnames, IP addresses, or IP address masks.

Examples:

mydss	- hostname
mydss.atlantic.com	- fully qualified hostname
222.33.44.55	- IP address for mydss
222.33.0.0	- IP address mask for mydss

- You can change this setting by using any of the following:
 - The **Servers** tab of Novell* NetWare/IP Adapter
 - The UNATTEND.TXT file
 - The System Policy Editor

Nearest NetWare/IP Servers Add

1. Specify the server.
2. Choose **Add** to add it to the **Nearest NetWare*/IP* Servers** list.

Nearest NetWare/IP Servers Remove

1. Select the server.
2. Choose **Remove** to delete it from the **Nearest NetWare*/IP* Servers** list.

Nearest NetWare/IP Servers Replace

1. Select a server to replace.
2. Specify a replacement server from the **Nearest NetWare*/IP* Servers** list.
3. Choose **Replace**.

NetWare/IP 1.1 compatibility: If your servers are running NetWare*/IP* 1.1 pre-patch, check this check box.

Default: Off

Notes

- This setting is used to support the first version of NetWare/IP and DSS servers. If your servers are running NetWare/IP 1.1 pre-patch, we recommended that you upgrade with the patch or to version 2.2. In the interim, checking this box allows this (NetWare/IP 2.2-compliant) client to communicate with the NetWare/IP servers.
- You can change this setting by using any of the following:
 - The **Parameters** tab of **Novell* NetWare/IP Protocol Properties**
 - The UNATTEND.TXT file
 - The System Policy Editor

NetWare/IP Domain: Specifies the NetWare*/IP* domain that this client belongs to.

NetWare/IP Domain Name: Specifies the NetWare/IP Domain that is configured for your area.

Default: None

Example: NWIP.ATLANTIC.COM

Notes

- This is a required setting for NetWare*/IP*.
- You can change this setting by using any of the following:
 - The **Parameters** tab of **Novell* NetWare/IP Adapter**
 - The UNATTEND.TXT file
 - The System Policy Editor

NetWare/IP Properties

[How to Display This Property Page](#)

[Parameters Tab](#)

[Servers Tab](#)

To install NetWare/IP with the Network control panel

Install NetWare/IP from the **Network** control panel if you need to install NetWare/IP on only one workstation and do not want to reinstall the entire Novell IntranetWare Client for Windows NT.

1. Open **Control Panel**.
2. Choose **Network**.
3. Choose the **Services** tab.
4. Choose **Add**.
5. Choose **Novell NetWare/IP Support (NWIP)**.
6. Choose **OK**.
7. Configure NetWare/IP.
8. (Conditional) If TCP/IP isn't already configured, configure it.

NetWare/IP Parameters

Required Parameters

There are no required parameters when you install NetWare*/IP* Support if a DSS server is on the same subnetwork as the NetWare/IP client. The client is automatically configured.

If there is no DSS server on the same subnetwork as the NetWare/IP client, at least one of the following local parameter values must be configured during installation:

- NetWare/IP domain, which specifies the NetWare/IP domain that this client belongs to. When the NetWare/IP domain is specified, DNS is used to locate any available DSS server on the network.
DNS must be configured correctly in Microsoft's TCP/IP Services so that DSS servers can be located.
- Preferred DSS, which specifies the IP addresses or subnetwork IP addresses of up to five DSS servers that are closest to this client.

Optional Parameters

The NetWare/IP client can use values for the following optional parameters to optimize performance:

- Initial DSS contact retries, which specifies the number of times the client attempts to communicate with a given DSS server at startup. The default is one retry, from a range of 0 to 50.
- Retry interval, which specifies the time interval (in seconds) between attempts to retry communicating with a given DSS server at startup. The default is 4 seconds, from a range of 1 to 100 seconds.
- Nearest server, which specifies the IP address or subnetwork IP address of the NetWare/IP server closest to this client.
- NSQ broadcast, which specifies whether this client will use Nearest Server Query (NSQ) broadcasts to locate the nearest server. By default, NSQ broadcast is set to ON.

Global Parameters

In addition to the local parameters, the NetWare/IP client also obtains network-wide configuration information from the DSS, such as the virtual IPX* network number, UDP port numbers for NetWare/IP service, and DSS-NetWare/IP synchronization interval.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

NetWare/IP server: An IntranetWare* server which has the NetWare/IP* NLM* program loaded on it. It provides SAP and RIP information to the client by keeping synchronized copies of the DSS SAP/RIP information. It can also be configured to route between NetWare/IP and IPX* networks.

To install NetWare/IP with the UNATTEND.TXT file

The UNATTEND.TXT preconfiguration file allows you to automatically install NetWare/IP (as well as set other configuration parameters) when you install Novell IntranetWare Client for Windows NT. This provides two major benefits:

- Install NetWare/IP on one or more workstations when installing Novell IntranetWare Client for Windows NT for the first time
- Install NetWare/IP on one or more workstations that were previously set up with Novell IntranetWare Client for Windows NT

You can install NetWare/IP on multiple workstations simultaneously without having to go to each individual workstation. This can save a tremendous amount of time and effort.

1. With a text editor, open the UNATTEND.TXT file.
2. Locate the AskNetWareIP and InstallNetWareIP parameters in the UNATTEND.TXT file.
3. Set the AskNetWareIP and InstallNetWareIP parameters.
4. (Optional) Change any other parameters that you want to set in the UNATTEND.TXT file.
5. Run SETUPNW.EXE with the /U option.

Network Board Installation Notes

- For information about installing the network board, refer to the board manufacturer's instructions.
- Novell* IntranetWare* Client* for Windows** NT** software supports both the Open Data-Link Interface* (ODI*) and Network Drive Interface Specification** (NDIS**) drivers.

Network Provider

Enable Send Message Utility

You can use this setting to prevent users from sending messages.

To allow users to use the **Send IntranetWare* Message** utility, check this check box.

To prevent users from using the **Send IntranetWare Message** utility, uncheck this check box.

Notes

- By default, users can use the **Send IntranetWare Message** utility.
- You can change this setting using the [System Policy Editor](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Configuring a Network Adapter Card on a Windows NT 4.0 Workstation

You can change the settings specified for the network adapter card.

To change the network adapter card settings

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Adapters** tab.
5. From the **Network Adapters** list, choose the adapter card.
6. Choose **Properties**.
7. Change adapter card settings as desired.
Choose **Help** for information on these settings.
8. Choose **OK** to save changes.
Restart the workstation for the changes to take effect.

Novell IntranetWare Client for Windows NT Setup

Overview

This help file explains how to install Novell* IntranetWare* Client* for Windows** NT** software. It also explains how to perform the basic configuration tasks that need to be completed so that you can log in to IntranetWare for the first time from your Windows NT workstation.

Installing Novell IntranetWare Client for Windows NT

[Features of the Install Utility](#)

[Preparing to Install Novell IntranetWare Client for Windows NT](#)

[Installing Novell IntranetWare Client for Windows NT](#)

[Installing NetWare/IP*](#)

[Installing Remote Access Services](#)

[Installing Administration Utilities](#)

Configuring Novell IntranetWare Client for Windows NT

[Configuring Novell IntranetWare Client for Windows NT](#)

[Setting Novell IntranetWare Client for Windows NT Properties](#)

[Configuring Global Settings with System Policies](#)

[Setting NetWare/IP Properties](#)

Using Workstation Manager

[Installing, Configuring, and Using Workstation Manager](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Number of seconds between retries: Specifies the number of seconds to wait between retries of an unanswered DSS request.

Default: 10

Range: 5 to 99 (seconds)

Notes

- You can change this setting by using any of the following:
 - The **Parameters** tab of **Novell* NetWare*/IP* Adapter**
 - The UNATTEND.TXT file
 - The System Policy Editor

ODINSUP Overview

The ODI* NDIS** support module (ODINSUP) is an Open Data-Link Interface* (ODI) protocol stack that interfaces between NDIS and ODI LAN drivers.

ODINSUP provides ODI support for NDIS protocols. This enables you to use Microsoft** networking components with ODI LAN drivers. For example, using ODINSUP allows you to use the Client for Microsoft Networks with an ODI driver. Another example would be using ODINSUP to enable you to use the Microsoft TCP/IP protocol with an ODI driver.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Opening the Novell IntranetWare Client for Windows NT Policy Template

1. (Conditional) If you haven't started the System Policy Editor, start it now.
2. Choose **Options**.
3. Choose **Policy Template**.
4. Choose **Add**.
5. Open the folder that has the *.ADM template file you want to use.
For the Novell IntranetWare Client for Windows NT policy template, go to the I386\NLS\ENGLISH directory on the installation CD.
6. Choose the *.ADM template you will use.
The Novell client template is called NWNT.ADM.
7. Choose **Open**.
8. Choose **OK**.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Opportunistic Locking parameter

Use this parameter to automatically detect opportunities to cache files. ON offers increased performance.

Values: ON, OFF

Default: OFF

Advanced Parameter Group: Performance, Cache

You can also set this parameter from the UNATTEND.TXT file.

Overview of Global Novell IntranetWare Client for Windows NT Settings

Novell* IntranetWare* Client* for Windows** NT** provides a custom policy template for use with the Windows NT System Policy Editor (POLEDIT.EXE). You can use the System Policy Editor and the Novell IntranetWare Client for Windows NT template to create a policy file that specifies the values for Novell IntranetWare Client for Windows NT settings.

After ensuring that the settings in the policy file work correctly, you can save the policy file as SYS:\PUBLIC\WINNT\NTCONFIG.POL on every preferred server. The Novell IntranetWare Client for Windows NT settings are read from the policy file and then stored in the registry each time a user logs in to the network.

The policy file that is used is the one in the SYS:\PUBLIC directory of the preferred server. If no preferred server is specified, the policy file in the SYS:\PUBLIC directory of the server with the first connection is used.

The primary documentation for the System Policy Editor is in the Microsoft** Windows NT Resource Kit.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Parameters Tab

Auto detect configuration

Custom configuration

NetWare*/IP* Domain name

Retries to DSS during startup

Number of seconds between retries

Broadcast SAP nearest server queries to network

NetWare/IP 1.1 compatibility

Use NWIP Custom Port

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Path edit box

The **Path** edit box becomes available when you choose the **Store Profile in an IntranetWare File System Directory** option in the **Advanced Login** property page. Use this edit box to specify where the profile should be stored.

You can also specify the path in the UNATTEND.TXT file.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Policy

The policy file is a .POL file that contains Windows** NT** Client Policy settings. These are settings that are created and edited using POLEDIT with the NT Client template. The policies are applied or written to the registry each time a user logs in to the network.

To specify your policy path and filename

Enter the path to your policy file in the **Policy Path and Filename** text box. The path must be a valid UNC path. UNC-style pathnames do not use the usual MS-DOS pathname convention (*drive:\directory*) but rather use the following format:

`\\server\volume\dir1\dir2\filename.ext`

You can also specify the path and filename in the UNATTEND.TXT file.

Preferred DSS: Specifies the IP address or subnetwork IP address and DNS name of up to five DSS servers that are closest to this client.

If there is no DSS on your local subnetwork, you must enter your Preferred DSS or your NetWare*/IP* Domain in the **NetWare/IP Support configuration** window.

Preferred Domain SAP/RIP Servers: Specifies the Domain SAP/RIP Servers that you want to use as your preferred domain SAP/RIP servers.

Default: None

Notes

- The addresses and names are used as a guide for locating preferred domain SAP/RIP servers. If none of the domain SAP/RIP servers is available, DNS is queried for the **Domain SAP/RIP Server** list.
- This is an optional setting for NetWare*/IP*.
- You can specify up to 5 domain SAP/RIP servers that you consider preferred.
- Specify the domain SAP/RIP server names as hostnames, fully qualified hostnames, IP addresses, or IP address masks.

Examples:

dss	- hostname
dss.atlantic.com	- fully qualified hostname
2.33.44.55	- IP address for mydss
2.33.0.0	- IP address mask for mydss

- You can change this setting by using any of the following:
 - The **Servers** tab of **Novell* NetWare/IP Adapter**
 - The UNATTEND.TXT file
 - The System Policy Editor

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Preferred Domain SAP/RIP Servers Add

1. Specify the server.
2. Choose **Add** to add it to the **Preferred Domain SAP/RIP Servers** list.

Preferred Domain SAP/RIP Servers Remove

1. Selecting the server.
2. Choose **Remove** to delete it from the **Preferred Domain SAP/RIP Servers** list.

Preferred Domain SAP/RIP Servers Replace

1. Selecting a server to replace.
2. Specify a replacement server from the **Preferred Domain SAP/RIP Servers** list.
3. Choose **Replace**.

Preferred Server

This parameter specifies the preferred IntranetWare* server that NDS* should authenticate the user to when the Novell* IntranetWare Client* for Windows** NT** software is started. This setting causes Novell IntranetWare Client for Windows NT to attempt to create a connection to the specified server.

The Preferred Server and [Preferred Tree](#) parameters work together. If the Preferred Server parameter is set, NDS attempts to authenticate the user to that server. If the Preferred Tree parameter is set, NDS sends a Get Nearest Server message and attempts to authenticate the user to the server that responds to the message, regardless of whether the a Preferred Server is set.

Note: The preferred server applies to any user logging in to the network using this workstation.

See also

[To set or change the preferred server](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preferred Tree

This parameter specifies the IntranetWare* Directory tree you attach to first when you start the Novell* IntranetWare Client* for Windows** NT** software. This setting causes the Novell IntranetWare Client for Windows NT to attempt to create a connection to a server in the specified tree.

If the Preferred Tree parameter is set, Novell IntranetWare Client for Windows NT attempts to connect to any server in that tree. If there is no tree set, it attempts to connect to the configured preferred server. If neither is set, then Novell IntranetWare Client for Windows NT connects to any server that responds to the Get Nearest Server request from Novell IntranetWare Client for Windows NT.

It is possible to use login scripts or profile scripts to specify multiple trees to log in to. The user can log in to as many trees as are designated for that user; however, there is always only one preferred tree.

Note: The preferred tree applies to any user logging in to the network using this workstation. To log in to a different tree, you can change your tree for this login session when logging in to the network.

See also

[To set or change the preferred tree](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preparing NetWare 3.11 Servers

IMPORTANT: Each name space added to a volume requires additional server memory. If you add name space support to a volume and do not have enough memory, that volume cannot be mounted. For information about how to calculate the memory required for name space support, see *System Administration*.

IMPORTANT: Once a name space is added to a volume, the name space can be removed from the volume only by deleting the volume and recreating it, or by using VREPAIR. (See *Utilities Reference*.)

1. Load the OS/2** name space. At the server console prompt, enter
LOAD OS2.NAM
2. Add the OS/2 name space. At the server console prompt, enter
ADD NAME SPACE OS2 TO VOLUME *volume_name*

Note: OS2OPNFX.NLM from 311PTD.EXE is required for long filenames on NetWare 3.11 servers. 311PTD.EXE is available on Novell's Electronic Services Worldwide.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preparing NetWare 4 and IntranetWare Servers

IMPORTANT: Each name space added to a volume requires additional server memory. If you add name space support to a volume and do not have enough memory, that volume cannot be mounted. For information about how to calculate the memory required for name space support, see *Supervising the Network*.

IMPORTANT: Once a name space is added to a volume, the name space can be removed from the volume only by deleting the volume and recreating it, or by using VREPAIR. (See *Utilities Reference*.)

1. Load the OS/2** name space. At the server console prompt, enter

LOAD OS2.NAM

Note: On NetWare 4.11 and IntranetWare servers, this name space is called LONG.NAM.

2. Add the OS/2 name space. At the server console prompt, enter

ADD NAME SPACE OS2 TO VOLUME *volume_name*

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preparing Client Workstations

Preparing client workstations for installing or upgrading the Novell* IntranetWare* Client* for Windows** NT** software requires hardware and software setup on each client workstation that you want to use on the network.

The complete setup for preparing workstations requires the following:

- [Setting Up Workstation Hardware and Software](#)
- [Setting Up the Network Board](#)

If you are upgrading from a previous version of the Novell IntranetWare Client for Windows NT software, your current workstation hardware and software configuration should be sufficient.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preparing Servers

Overview

[Preparing Servers](#)

Installing Patches and Long Filename Support

[Preparing NetWare 4* and IntranetWare Servers](#)

[Preparing NetWare 3.11 Servers](#)

Reference

[Add Name Space Notes](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Preparing to Install Novell IntranetWare Client for Windows NT

Before installing Novell* IntranetWare* Client* for Windows** NT** software, make sure your workstations have sufficient hardware resources and the required software.

Follow the instructions to prepare your NetWare 4*, IntranetWare, or NetWare 3.11 servers.

The complete hardware and software setup for client workstations might require you to complete one or more of the following tasks:

Preparing client workstations

Choosing installation method

Editing the preconfiguration file (UNATTEND.TXT) if necessary

Setting up for installation from a network directory

Creating client installation diskettes from CD-ROM

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Profile Script

This field lets you set an alternate Novell* Directory Services* profile script to use when you log in. This alternate profile script will be run instead of your normal NDS* profile script.

You can also set the Profile Script option from the UNATTEND.TXT file.

Property Page: Advanced Login

This page lets you configure advanced login parameters for Novell* IntranetWare* Client* for Windows** NT** software. Because these are advanced settings, they should be changed only by the network supervisor or another very experienced user.

The **Advanced Login** property page contains the following options:

- [Policy Path and Filename](#)
- [Roaming Profile](#)
- [Store Profile in User Home/Mail Directory](#)
- [Store Profile in an IntranetWare File System Directory](#)
- [Path](#)
- [Welcome Screen](#)
- [Bitmap Filename](#)
- [Caption](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Property Page: Advanced Settings

This page lets you configure advanced parameters for Novell* IntranetWare* Client* for Windows** NT** software. Because these are advanced settings, they should be changed only by the network supervisor or another very experienced user.

Use the **Parameter groups** pop-up to determine which parameters are listed on this property page. The default parameter group is **All**, which lists all configurable settings. Click on the arrow to choose a group that is a subset of all. For example, you can choose **Packet Management** from the pop-up. When you select a group, the parameters in that group appear in the list below the **Parameter group** pop-up.

Once you have selected a parameter group, click on a parameter from the list of parameters. Then, use the **Setting** pop-up to change the setting for that parameter. The **Description** box shows a brief explanation of the chosen parameter.

For information about the available properties, choose one of the following options:

[List by parameter name](#)

[List by parameter group](#)

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Property Page: Client

This page lets you configure the following settings:

[First network drive](#)

[Preferred server](#)

[Preferred tree](#)

[Tree and name context pairs](#)

Property Page: Login

This page lets you configure the following settings:

[Display connection page](#)

[Display script page](#)

[Display results check box](#)

[Display variables page](#)

[Display RAS page if dialup networking is installed](#)

[Save settings when exiting Login](#)

Client Property Pages

Property pages let you set parameters from within a single utility.

To access the property pages from a Windows** NT** 4.0 client

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Properties**.
7. Set the property page settings as described in [Setting IntranetWare* Client* for Windows NT Properties](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Receive Broadcast Messages parameter

Tells Novell* IntranetWare* Client* for Windows** NT** software which broadcast messages, if any, to receive.

Default: All

Example: Server Only

Notes

- You can choose one of the following settings
- All
Receive all broadcast messages.
- Server Only
Receive broadcast messages sent by the server only.
- None
Do not receive any broadcast messages.
- You can change this setting by using any of the following:

[Property pages](#)

[System Policy Editor](#)

[UNATTEND.TXT](#)

Removing a Network Adapter Card Driver on a Windows NT 4.0 Workstation

When you remove a LAN driver, any settings connected with that driver are also removed, such as the port number and IRQ settings. You should have specified these settings when you installed the LAN driver. Also, if you are using the TCP/IP protocol stack, settings such as IP address and net mask are removed.

To remove an existing network adapter card driver

1. Log in to the Windows** NT** workstation as an NT user who is a member of the Administrators group.
2. From the **Start** menu, choose **Settings**.
3. Choose **Control Panel**.
4. Choose **Network**.
5. Choose the **Adapters** tab.
6. From the **Network Adapters** list, choose the driver you want to remove.
7. Choose **Remove**.

The driver and all settings are removed.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

To remove Novell IntranetWare Client for Windows NT

Important: If you remove Novell* IntranetWare* Client* for Windows** NT** software, you will not be able to connect to IntranetWare. To connect to IntranetWare, you must first install an IntranetWare client.

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Remove**.
7. Restart your workstation after the client is removed.

To remove a tree and context pair

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Properties**.
5. Choose a tree and context pair from the list.
6. Choose **Remove**.

The tree and context pair is removed from the list.

Requirements for a Novell IntranetWare Client for Windows NT Workstation

In order for you to install Novell* IntranetWare* Client* for Windows** NT** software, your workstation and server must meet the following requirements.

Workstation

- Microsoft** Windows NT 3.51 or 4.0 installed on the workstation
The workstation requirements for Windows NT can be found in the Windows NT documentation. If your workstation does not meet the minimum requirements for Windows NT, you should not install Novell IntranetWare Client for Windows NT.
- 12 MB of RAM, 16 MB recommended
- A hard disk with 10 MB of free storage space for Novell IntranetWare Client for Windows NT
This does not include the disk space requirements for Windows NT and any other software you might install on your workstation.
- A network board installed in your workstation
For more information, see Network Board Installation Notes.
- A cable connection to the network
Each type of network board requires unique cabling. See the board manufacturer's documentation for requirements.
Token-ring network boards require a cable connection to the MAU before you can connect to the network after installing the Novell IntranetWare Client for Windows NT software. Otherwise, the driver will not load.

Server

- NetWare 3.11 or later
 - One of the following name spaces should be loaded if you want to support long filenames:
 - NetWare 4.11 and IntranetWare: LONG.NAM
 - NetWare 3.11 to NetWare 4.1: OS2.NAM
- Note:** OS2OPNFX.NLM from 311PTD.EXE is required for long filenames on NetWare 3.11 servers. 311PTD.EXE is available on Novell's Electronic Services Worldwide.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Retries to DSS during startup: Specifies the number of times to retry an unanswered DSS request.

Default: 1

Range: 1 to 10 (retries)

Notes

- You can change this setting by using any of the following:
 - The **Parameters** tab of **NetWare/IP Configuration**
 - The UNATTEND.TXT file
 - The System Policy Editor

To enable the use a roaming profile

Check the **IntranetWare Storage of Roaming Profiles** check box on the **Advanced Login** property page.

When you check this check box, two options become available:

- Store Profile in User Home/Mail Directory
- Store Profile in an IntranetWare File System Directory

Choose one of these options to specify where the roaming profile is stored.

Roaming Profile

A single profile that can be used on multiple workstations. The environment specified in the profile will be available on any and all workstations where the user logs in.

Run SETUPNW.EXE.

1. (Conditional) If you are installing from diskette, insert the first disk.

OR

(Conditional) If you are installing from CD-ROM, insert the Novell* IntranetWare* Client* for Windows** NT** CD-ROM.

2. (Conditional) If you are installing from a diskette in drive A:, run the installation program (SETUPNW.EXE) from that diskette.

OR

(Conditional) If you are not installing from a diskette in drive A:, run the SETUPNW.EXE program from the folder that has the Novell IntranetWare Client for Windows NT files (usually the I386 folder).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Run scripts

If this check box is not selected, your login scripts will not run when you log in.
You can also set the Run scripts option from the UNATTEND.TXT file.

Select a Network Adapter

1. Choose **Novell** or the manufacturer of your network adapter.
2. Choose the network adapter that matches your hardware.
For example, choose **NE2000 Compatible** if you have an NE2000* or compatible network adapter.
3. Choose **OK**.

Notes

- There should be a matching Novell* ODINSUP component for each ODI* LAN driver. It is installed automatically. For more information, see the [ODINSUP Overview](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Servers Tab

Nearest NetWare*/IP* Servers

Add

Remove

Replace

Preferred Domain SAP/RIP Servers

Add

Remove

Replace

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Setting

This pop-up is where you choose or enter the setting for the parameter you choose in the **Parameters** list.

Setting Novell IntranetWare Client for Windows NT Properties

Novell* IntranetWare* Client* for Windows** NT** software uses [property pages](#) to set many of the client's parameters.

The Property Page contains the following tabs:

[Client](#)

[Login](#)

[Advanced Login](#)

[Advanced Settings](#)

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Setting Up for Installation from a Network Directory

Prerequisites

Before you can install Novell* IntranetWare* Client* for Windows** NT** software from a network directory, you must meet the following prerequisites:

- An IntranetWare client, either the Microsoft** Client Service for IntranetWare or a previous version of Novell IntranetWare Client for Windows NT, must be running on the workstation.
- You must be able to log in to an IntranetWare server from the workstation.
- Either the IntranetWare server or a workstation connected to that server must be equipped with a CD-ROM drive.

To install Novell IntranetWare Client for Windows NT from a network directory

Installing Novell IntranetWare Client for Windows NT from an IntranetWare server requires setup on an existing IntranetWare server and on each client workstation you want to use on the network.

The complete network setup for the client installation requires you to complete the following tasks:

1. Copy IntranetWare Client files to a network directory.
2. Connect to the network drive containing the directory where you copied the files.
3. Edit preconfiguration file (UNATTEND.TXT)
4. Install Novell IntranetWare Client for Windows NT.

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Setting Up the Network Board

When you install a network board, it must be configured. If the board is not properly configured, you will not be able to connect to the network.

In most cases, you should leave your network board set to the factory default settings. If you need to change the default settings, see the manufacturer's documentation.

It is important that you keep a record of the settings you use to configure your network boards. You will need to use this information when you set up Windows** NT**.

To set or change the name context

1. From the **Start** menu, choose **Settings**.

2. Choose **Control Panel**.

3. Choose **Network**.

4. Choose the **Services** tab.

5. Choose **Novell IntranetWare Client for Windows NT**.

6. Choose **Properties**.

7. Choose a tree from the tree list.

If trees and their name contexts have been entered previously, choose a tree from the tree list.

When you specify a tree, the context for that tree is automatically chosen.

8. Choose **OK**.

To set or change the name context for the current login session only

1. Right-click **Network Neighborhood**.
2. Choose **IntranetWare Connections**.
3. Choose the appropriate connection.

To set or change the preferred tree

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Properties**.
7. Type the name of the preferred tree in the **Preferred Tree** field.
The name of the preferred tree can contain up to 32 characters.
8. Choose **OK**.

You can also set this parameter from the [UNATTEND.TXT](#) file.

Note: The change does not take effect until you reboot your workstation.

Setting the Name Context, Preferred Tree, and Preferred Server

You can control

- The preferred tree and name context for a Novell* Directory Services* connection
- The preferred server for a bindery services connection

These settings apply to the workstation, not to a specific user. Users who log in using this workstation make their network connections using this name context, preferred tree, or preferred server.

To change or specify a name context, preferred tree, or preferred server

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose the **Network** icon.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare* Client* for Windows** NT**** from the **Network Services** list, and then choose **Properties**.
6. Choose the **Name Context**, a **Preferred Tree**, or a **Preferred Server** as needed.
Choose **Help** for more information on each of these settings.
7. Choose **OK**.

These changes do not take effect until you restart your workstation.

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Short Machine Type parameter

Specifies which overlay files to use with the specific machine type of your client workstation.

Default: IBM

Example: AST

Notes

- This setting is similar to Long Machine Type, except that it is used specifically with overlay files.
- Use this setting when the %SMACHINE variable is accessed.
- The value for this setting can be up to four characters long.
- Examples of files using this setting and value include the IBM\$RUN.OVL file for the windowing utilities and the CMPQ\$RUN.OVL file that uses a default black-and-white color palette for IntranetWare* menus.
- You can change this setting by using any of the following:

Property pages

The System Policy Editor

UNATTEND.TXT

Signature Level parameter

Determines the level of enhanced security support. Increasing this value increases security, but decreases performance.

Range: 0 to 3

Default: 1

Advanced Parameter Group: Packet Management

The values are as follows:

0 = Disabled

1 = Enabled but not preferred

2 = Preferred

3 = Required

Notes

- Setting the value of this parameter to 2 or 3 increases security but decreases performance.
- Enhanced security includes the use of a message digest algorithm and a per connection/per request session state.
- You can change this setting by using any of the following:
 - The **Advanced Settings** tab of **Novell* IntranetWare* Client* for Windows** NT** Properties**
 - The UNATTEND.TXT file
 - The System Policy Editor

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Specify Windows NT Policy Editor Settings

1. Choose **Default Computer**.
2. Choose **Edit**.
3. Choose **Properties**.
4. Choose an option from the hierarchical listing.
5. Set the values that you want.
6. Choose **OK**.

Notes

- Initially, all the Policy settings have a gray box in front of them. This indicates that this setting will not be changed when users log in. When you choose a gray box, a check mark appears in the box. The check mark indicates that this setting will be changed to ON or the value that you specify. If you need to specify a value, you can do so near the bottom of the **Default Computer Properties** dialog box. Appropriate instructions are also displayed there.
- When you uncheck a check box, the box becomes blank. This indicates that this setting will be changed to OFF for settings with values of ON and OFF. For other settings, this indicates that any existing value for the setting will be removed from the registry and the default value will be used.

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Start Installation Notes

SETUPNW.EXE performs the following actions:

- Removes any existing IntranetWare* Client* software. Specifically, removes the following client software, if found:
 - [Microsoft**] Client for NetWare Networks
 - [Microsoft] Service for Novell* Directory Services*
 - Installs Novell IntranetWare Client for Windows** NT**.
 - The Novell IntranetWare Client for Windows NT files are copied to your hard disk.
The folder for the Novell IntranetWare Client for Windows NT is WINNT\SYSTEM32\NETWARE on your workstation's Windows drive. Some of the files are copied to this folder. Other files are copied to the appropriate Windows NT folder, such as the \WINNT\SYSTEM32 and \WINNT\HELP folders.
- Updates the system registry with the information needed to start Novell IntranetWare Client for Windows NT automatically each time Windows NT starts.

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To start Remote Access Services

1. After logging in to the workstation, choose the **Remote Access** icon from the Remote Access Services group.
2. Specify the phone number for the RAS server.
3. Choose **Dial**.
4. After a connection has been established, log in and run the login script.

Do this by going to the IntranetWare (Common) group and selecting **IntranetWare Login**. Then select **Login** to run the login script and log in to the tree or server.

Store Profile in User Home/Mail Directory radio button

This button is available only if the **IntranetWare Storage of Roaming Profile** check box is checked on the **Advanced Login** property page.

Choose the **Store Profile in User Home/Mail Directory** option to store the roaming profile on the network. The user's Mail directory is used for bindery connections and the user's Home directory is used for NDS connections. The advantage of storing the user profile on the network is that it allows the user to utilize the same desktop environment on all workstations throughout the network. Any changes made to the user environment on one workstation will be saved to the profile stored on the network. The environment specified in the profile will be available on any and all workstations where the user subsequently logs in.

You can also set this option in the UNATTEND.TXT file.

Store Profile in an IntranetWare File System Directory radio button

This button is available only if the **IntranetWare Storage of Roaming Profile** check box is checked on the **Advanced Login** property page.

Choose the **Store Profile in an IntranetWare File System Directory** option to store the roaming profile in a directory on an IntranetWare* server in a specific directory. This option will store the profile of any user who logs in to the workstation in the specified directory. This option is recommended primarily for use with mandatory profiles. The advantage of storing the user profile on the network is that it allows the user to utilize the same desktop environment on all workstations throughout the network. Any changes made to the user environment on one workstation will be saved to the profile stored on the network. The environment specified in the profile will be available on any and all workstations where the user subsequently logs in.

You can also set this option in the UNATTEND.TXT file.

When you choose this option, the **Path** edit box becomes available.

System Registry Configuration Notes

- Novell* IntranetWare* Client* for Windows** NT** software uses the Windows system registry to store configuration properties. It does not use the NET.CFG file.
- Unless otherwise directed, you should not edit the system registry. An error in the system registry can sometimes disable a workstation.
- In most situations, you don't need to edit the system registry because configuration properties can be changed using property pages and system policies.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

To set or change the preferred server

1. From the **Start** menu, choose **Settings**.
2. Choose **Control Panel**.
3. Choose **Network**.
4. Choose the **Services** tab.
5. Choose **Novell IntranetWare Client for Windows NT**.
6. Choose **Properties**.
7. Type the name of the preferred server in the **Preferred Server** field.
The name of the preferred server can contain up to 47 characters.
8. Choose **OK**.

You can also set this parameter from the UNATTEND.TXT file.

Note: The change takes effect when you reboot your workstation.

Configuring Token-Ring Settings

Use the **Network** control panel to set the Token-Ring Bit and the Token-Ring Snap Bit for token-ring networks, override the node address of the network adapter card, or specify the slot number of the adapter card for an EISA or MCA bus.

Refer to your Windows** NT** documentation for instructions.

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U.S. Patent Nos. 5,157,663; 5,349,642; and 5,455,932. U.S. Patent Application No. 5,572,528. U.S. and International Patent Pending.

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Tree and Name Context parameter pairs

Specifies the location of each User object in the Directory tree for NetWare* 4* and IntranetWare users using Novell* Directory Services*.

This parameter pair does not apply if you are logging in to a NetWare 3* server or a NetWare 4 server using bindery services.

Note: The name context applies to any user logging in to a specified tree using this workstation. Because it is possible to log in to multiple trees, each tree has its own designated name context. You can change the tree and the name context when you log in. However, a user can have only one name context in any one tree.

See Also

[Setting or changing the name context](#)

[Adding a tree and context pair](#)

[Removing a tree and context pair](#)

[Setting or changing the name context for the current login session only](#)

Note: Any changes you make to this property page do not take effect until the next time you log in to NetWare or IntranetWare.

You can also set the tree and name context in [UNATTEND.TXT](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

UNATTEND.TXT Overview

Overview

UNATTEND.TXT is the default preconfiguration file that Microsoft** supplies with Windows** NT** software. Novell* IntranetWare* Client* for Windows NT software includes its own version of this file that you can use instead of the version from Microsoft. The Novell version includes all of the options in the Microsoft version, but it also adds Novell IntranetWare Client parameters. Set these parameters to configure the Novell IntranetWare Client during installation on one or more workstations.

By specifying default values for configuration settings in an UNATTEND.TXT file, you can simplify the installation of Novell IntranetWare Client for Windows NT. This configuration method is good for network supervisors who are familiar with the Windows NT .INF file syntax, want to install and configure the Novell IntranetWare Client for Windows NT at the same time, and need to configure settings that can't be configured using the System Policy Editor.

The UNATTEND.TXT file that Novell supplies is a self-documenting file. It contains information about each parameter, including the default value and the range of values, as well as an explanation of what each parameter does. To change or set a parameter, read about the parameter in the UNATTEND.TXT file or in this Help file, and then set the parameter value. If the parameter is commented out (has a semicolon at the beginning of the line), you will need to remove the semicolon to set the parameter.

Where Is the UNATTEND.TXT File?

The UNATTEND.TXT file is located in the following directory on the installation CD:

Novell IntranetWare Client for Windows NT installation disk:\I386\system32\i18n\language

For example:

d:\I386\system32\i18n\english

If you are installing from diskette, UNATTEND.TXT is on the first diskette, at the following path:

a:\i18n\english

Why Use an UNATTEND.TXT File?

The UNATTEND.TXT file allows you to configure the Novell IntranetWare Client for Windows NT settings during installation. By installing from an IntranetWare server, you can configure multiple workstations simultaneously by using the same UNATTEND.TXT file. The UNATTEND.TXT file uses NT INF file syntax. However, you should be familiar with the settings that are supported by Novell IntranetWare Client for Windows NT. Some parameters from previous NetWare clients are no longer supported, some parameters have changed, and there are some new parameters.

UNATTEND.TXT Defaults Option

The UNATTEND.TXT file contains two sections:

- **Installation options**

This section contains answers to the possible install process questions. These parameters allow you to configure installation options and preconfigure answers to the dialog boxes that might pop up during an install. These parameters answer the questions asked during both an NT Unattended installation and a Novell IntranetWare Client for Windows NT SETUPNW.EXE installation so that the dialog boxes do not need to pop up. This is especially helpful if you are installing Novell IntranetWare Client for Windows NT on several workstations and don't want the users to be able to overwrite your configuration choices.
- **Version Parameters**

In the installation options section of the UNATTEND.TXT file, there are two version parameters:

 - **Major Internal Version**
 - **Minor Internal Version**

The version parameters can be any number from 0 through 4,294,967,295. If this number is greater than the version number stored in the registry, the configuration settings in the UNATTEND.TXT file are written to the registry and this number is stored as the new version number. Otherwise, they aren't. The first time the Novell IntranetWare Client for Windows NT software is installed, no version number is in the registry. In this case, the version numbers are written to the registry. These internal version numbers are only written to the Registry when the client is installed using the SETUPNW /U command.
- **Configuration parameters**

This section allows you to set all of the Novell IntranetWare Client for Windows NT parameters before you install the software. When you install, the parameters in this section are automatically configured.

- **Overwrite Parameter**

In the configuration parameters section of the UNATTEND.TXT file, each parameter has an overwrite option. If the overwrite option is set to YES, then the value is updated. If it is NO, then the value is updated only if it does not already exist in the Registry. All of the parameters on the Client and NetWare/IP* property pages are included in the UNATTEND.TXT file.

Notes

- For information about the configuration settings that you can specify in the UNATTEND.TXT file, see the [specific help for each setting](#).

See Also

Performing an [Unattended Install](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

UNATTEND.TXT Settings

You can use the [UNATTEND.TXT](#) file to set the following parameters in the [NovellNetWareClientParameters] section. The parameters are listed in the order in which they appear in the UNATTEND.TXT file.

[SetupNWInstallOptions] Section

This section is used by the SETUPNW.EXE installation program. These parameters configure the dialog boxes presented during installation.

[Display Initial Screen](#)

[Ask Reboot](#)

[Use NetWare GINA](#)

[NovellNetWareClient Parameters] Section

This section contains parameters used to configure the client. Nearly all of these parameters can also be set in the Control Panel. However, setting them in UNATTEND.TXT before installation makes it possible to configure multiple workstations with the same parameters during installation, eliminating the need to configure them on each individual workstation.

[Major Internal Version](#)

[Minor Internal Version](#)

[Accept License Agreement](#)

[Remove Microsoft NetWare Client](#)

[Use NetWare GINA](#)

[Ask NetWareIP](#)

[Install NetWareIP](#)

[Preferred Server](#)

[Preferred Bindery Server](#)

[Tree and Name Context](#)

[First Network Drive](#)

[Display Connection Page](#)

[Login to Tree](#)

[Login to Server](#)

[Bindery Connections](#)

[Clear Current Connections](#)

[Display Script Page](#)

[Login Script](#)

[Profile Script](#)

[Display Results](#)

[Close Script Results Automatically](#)

[Run Scripts](#)

[Display Variables Page](#)

[Display RAS Page](#)

[Save Settings When Exiting Login](#)

[Policy Path](#)

[IntranetWare Storage Of Roaming Profiles](#)

[Storage Type](#)

[File System Pointer Path](#)

[Bitmap Filename](#)

[Welcome Screen Caption](#)

[Receive Broadcast Messages](#)

[DOS Name](#)

Large Internet Packets (LIP)

LIP Start Size

Long Machine Type

LSL Max Buffer Size

Minimum Time To Net

Opportunistic Locking

Burst Mode

Packet Burst Read Window Size

Packet Burst Write Window Size

Signature Level

Short Machine Type

Remote Configuration

NWIP Domain Name

Auto Retries

Auto Retry Seconds

NSQ Broadcast

NWIP 1.1 Compatibility

Use Custom Port

Port Number

Nearest NWIP Server

Preferred DSS

UNATTEND.TXT Settings Information

Use the following information when setting the Accept License Agreement parameter in the UNATTEND.TXT file:

Parameter: AcceptLicenseAgreement

Syntax: !AcceptLicenseAgreement = yes|no

Example:

!AcceptLicenseAgreement = no

Note

If you set this parameter to NO, the license agreement will pop up during installation. If you set the parameter to YES, the license agreement will not appear during installation, but you will be declaring that you accept the agreement on behalf of your organization and are responsible for compliance with the terms and conditions of the agreement by the users in your organization.

UNATTEND.TXT Settings Information

The Ask Reboot parameter can be used to customize the installation process. Use the following information when setting this parameter in the UNATTEND.TXT file:

Parameter: AskReboot

Syntax: !AskReboot = yes|no

Example:

!AskReboot = no

Note

If you set the parameter to YES, the final installation screen displays to the user when the installation process begins. This screen tells the user that the workstation must be rebooted before the new installation takes effect and asks whether to reboot the workstation. If you set this parameter to NO, the workstation automatically reboots after the installation process is complete.

UNATTEND.TXT Settings Information

Use the following information when setting the Auto Retry Secs parameter in the UNATTEND.TXT file.

Parameter: AutoRetry_Secs

Syntax: !AutoRetry_Secs = *number*

Overwrite parameter: AutoRetry_Secs_OverWriteValue

Syntax: !AutoRetry_Secs_OverWriteValue = yes|no

Example:

!AutoRetry_Secs = 12

!AutoRetry_Secs_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Bindery Connections parameter in the UNATTEND.TXT file. The Bindery Connections parameter determines whether bindery connections are allowed.

Parameter: Bindery_Connections

Syntax: !Bindery_Connections = yes|no

Overwrite parameter: Bindery_Connections_OverWriteValue

Syntax: !Bindery_Connections_OverWriteValue = yes|no

Example:

!Bindery_Connections = yes

!Bindery_Connections_OverWriteValue = no

UNATTEND.TXT Settings Information

Use the following information when setting the Bitmap_Filename parameter in the UNATTEND.TXT file. The bitmap must be located in the Windows NT directory.

Parameter: Bitmap_Filename

Syntax: !Bitmap_Filename = *filename*

Overwrite parameter: Bitmap_Filename_OverWriteValue

Syntax: !Bitmap_Filename_OverWriteValue = yes|no

Example:

!Bitmap_Filename = c:\winnt\welcome.bmp

!Bitmap_Filename_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the DOS Name parameter from the UNATTEND.TXT file.

Parameter: DOSName

Syntax: !DOSName = *name*

Overwrite parameter: DOSName_OverWriteValue

Syntax: !DOSName_OverWriteValue = yes|no

Example:

!DOSName = WINNT

!DOSName_OverWriteValue = no

UNATTEND.TXT Settings Information

The Display Initial Screen parameter can be used to customize the installation process. Use the following information when setting this parameter in the UNATTEND.TXT file:

Parameter: DisplayInitialScreen

Syntax: !DisplayInitialScreen = yes|no

Example:

!DisplayInitialScreen = no

Note

If you set the parameter to YES, the initial ACU or Welcome screen displays to the user when the installation process begins. If you set this parameter to NO, the installation starts without displaying that screen.

UNATTEND.TXT Settings Information

Use the following information when setting the Display Results parameter in the UNATTEND.TXT file. The Display Results parameter determines whether a window shows you how the login is progressing while you log in.

Parameter: Display_Results

Syntax: !Display_Results = yes|no

Overwrite parameter: Display_Results_OverWriteValue

Syntax: !Display_Results_OverWriteValue = yes|no

Example:

!Display_Results = yes

!Display_Results_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to enable the Display Connection Page option from the UNATTEND.TXT file.

Parameter: Display_Connection_Page

Syntax: !Display_Connection_Page = yes|no

Overwrite parameter: Display_Connection_Page_OverWriteValue

Syntax: !Display_Connection_Page_OverWriteValue = yes|no

Example:

!Display_Connection_Page = no

!Display_Connection_Page_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Environment_Pad parameter from the UNATTEND.TXT file.

Parameter: Environment_Pad

Syntax: !Environment_Pad = *number*

Overwrite parameter: Environment_Pad_OverWriteValue

Syntax: !Environment_Pad_OverWriteValue = yes|no

Example:

!Environment_Pad = 123

!Environment_Pad_OverWriteValue = no

UNATTEND.TXT Settings Information

Use the following information to set the path where a roaming profile is stored from the UNATTEND.TXT file.

Parameter: File_System_Pointer_Path

Syntax: !File_System_Pointer_Path = *path*

Overwrite parameter: File_System_Pointer_Path_OverWriteValue

Syntax: !File_System_Pointer_Path_OverWriteValue = yes|no

Example:

!File_System_Pointer_Path = F:\PROFILES

!File_System_Pointer_Path_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Caption parameter from the UNATTEND.TXT file:

Parameter: Header_Message

Syntax: !Header_Message = *message*

Overwrite parameter: Header_Message_OverWriteValue

Syntax: !Header_Message_OverWriteValue = yes|no

Example:

!Header_Message = Hello, Maria!

!Header_Message_OverWriteValue = no

UNATTEND.TXT Settings Information

Use the following information when setting the [InstallNetWareIP](#) parameter in the UNATTEND.TXT file.

Parameter: InstallNetWareIP

Syntax: !InstallNetWareIP = yes|no

Example:

!InstallNetWareIP = yes

See also

[AskNetWareIP](#)

UNATTEND.TXT Settings Information

Use the following information when setting the Large Internet Packets parameter in the UNATTEND.TXT file.

Parameter: Large_Internet_Packets

Syntax: !Large_Internet_Packets = on|off

Overwrite parameter: Large_Internet_Packets_OverWriteValue

Syntax: !Large_Internet_Packets_OverWriteValue = yes|no

Example:

!Large_Internet_Packets = on

!Large_Internet_Packets_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the LIP Start Size parameter in the UNATTEND.TXT file.

Parameter: LIP_Start_Size

Syntax: !LIP_Start_Size = *number*

Overwrite parameter: LIP_Start_Size_OverWriteValue

Syntax: !LIP_Start_Size_OverWriteValue = yes|no

Example:

!LIP_Start_Size = 124

!LIP_Start_Size_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Link Support Layer Max Buffer Size parameter in the UNATTEND.TXT file.

Parameter: LSLMaxBufferSize

Syntax: !LSLMaxBufferSize = *number*

Overwrite parameter: LSLMaxBufferSize_OverWriteValue

Syntax: !LSLMaxBufferSize_OverWriteValue = yes|no

Example:

!LSLMaxBufferSize = 4736

!LSLMaxBufferSize_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to enable the Log in to tree option from the UNATTEND.TXT file.

Parameter: Login_To_Tree

Syntax: !Login_To_Tree = yes|no

Overwrite parameter: Login_To_Tree_OverWriteValue

Syntax: !Login_To_Tree_OverWriteValue = yes|no

Example:

!Login_To_Tree = no

!Login_To_Tree_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Long Machine Type parameter in the UNATTEND.TXT file.

Parameter: LongMachineType

Syntax: !LongMachineType = "*name*"

Overwrite parameter: LongMachineType_OverWriteValue

Syntax: !LongMachineType_OverWriteValue = yes|no

Example:

!LongMachineType = "COMPAQ"

!LongMachineType_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the NSQ Broadcast parameter in the UNATTEND.TXT file.

Parameter: NSQ_Broadcast

Syntax: !NSQ_Broadcast = on|off

Overwrite parameter: NSQ_Broadcast_OverWriteValue

Syntax: !NSQ_Broadcast_OverWriteValue = yes|no

Example:

!NSQ_Broadcast = on

!NSQ_Broadcast_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the NWIP_Domain_Name parameter in the UNATTEND.TXT file.

Parameter: NWIP_Domain_Name

Syntax: !NWIP_Domain_Name = *domain name*

Overwrite parameter: NWIP_Domain_Name_OverWriteValue

Syntax: !NWIP_Domain_Name_OverWriteValue = yes|no

Example:

!NWIP_Domain_Name = Sales

!NWIP_Domain_Name_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the NWIP 1.1 Compatibility parameter in the UNATTEND.TXT file.

Parameter: NWIP1_1_Compatibility

Syntax: !NWIP1_1_Compatibility = on|off

Overwrite parameter: NWIP1_1_Compatibility_OverWriteValue

Syntax: !NWIP1_1_Compatibility_OverWriteValue = yes|no

Example:

!NWIP1_1_Compatibility = off

!NWIP1_1_Compatibility_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Nearest NWIP Server parameter in the UNATTEND.TXT file.

Parameter: Nearest_NWIP_Server

Syntax: !Nearest_NWIP_Server = *servername*

Overwrite parameter: Nearest_NWIP_Server_OverWriteValue

Syntax: !Nearest_NWIP_Server_OverWriteValue = yes|no

Example:

!Nearest_NWIP_Server = mydss.atlantic.com

!Nearest_NWIP_Server_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the NetWare* Storage of the Roaming Profiles parameter in the UNATTEND.TXT file.

Parameter: NetWare_Storage_Of_Roaming_Profiles

Syntax: !NetWare_Storage_Of_Roaming_Profiles = yes|no

Overwrite parameter: NetWare_Storage_Of_Roaming_Profiles_OverWriteValue

Syntax: !NetWare_Storage_Of_Roaming_Profiles_OverWriteValue = yes|no

Storage Type parameter: Storage_Type (radio button on **Advanced Login** property page)

Syntax: !Storage_Type = Home Directory|File System Pointer

Storage Type Overwrite parameter: !Storage_Type_OverWriteValue = yes|no

Example:

!NetWare_Storage_Of_Roaming_Profiles = yes

!NetWare_Storage_Of_Roaming_Profiles_OverWriteValue = yes

!Storage_Type = Home Directory

!Storage_Type_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Policy_Path parameter in the UNATTEND.TXT file.

Parameter: Policy_Path

Syntax: !Policy_Path = *pathname*

Overwrite parameter: Policy_Path_OverWriteValue

Syntax: !Policy_Path_OverWriteValue = yes|no

Example:

!Policy_Path = F:\HOME\ROBERT\BOB.POL

!Policy_Path_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the NetWare/IP Port Number option from the UNATTEND.TXT file:

Parameter: Port_Number

Syntax: !Port_Number = *number* (range: 0 to FFFF hex)

Overwrite parameter: Port_Number_OverWriteValue

Syntax: !Port_Number_OverWriteValue = yes|no

Example:

!Port_Number = ABCD

!Port_Number_OverWriteValue = no

Notes

This parameter designates the hex port number for the NetWare/IP custom port.

A DNS server must exist and the Remote_Config parameter must be set for this parameter to be valid.

UNATTEND.TXT Settings Information

Use the following information when setting the Preferred Bindery Server parameter in the UNATTEND.TXT file:

Parameter: Preferred_Bindery_Server

Syntax: !Preferred_Bindery_Server = *server name*

Overwrite parameter: Preferred_Bindery_Server_OverWriteValue

Syntax: !Preferred_Bindery_Server_OverWriteValue = yes|no

Example:

!Preferred_Bindery_Server = Sales_server

!Preferred_Bindery_Server_OverWriteValue = no

Note: The Preferred Bindery Server parameter can also be set in the dialog box used for initial login. This parameter specifies the server this client should attach to when connecting to IntranetWare using the bindery.

UNATTEND.TXT Settings Information

Use the following information when setting the Preferred DSS parameter in the UNATTEND.TXT file.

Parameter: Preferred_DSS

Syntax: !Preferred_DSS1-5 = *servername*

Overwrite parameter: Preferred_DSS_OverWriteValue

Syntax: !Preferred_DSS1-5_OverWriteValue = yes|no

Example:

!Preferred_DSS1 = dss.atlantic.com

!Preferred_DSS1_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Receive Broadcast Messages parameter in the UNATTEND.TXT file.

Parameter: Receive_Broadcast_Messages

Syntax: !Receive_Broadcast_Messages = All|Server Only|None

Overwrite parameter: Receive_Broadcast_Messages_OverWriteValue

Syntax: !Receive_Broadcast_Messages_OverWriteValue = yes|no

Example:

!Receive_Broadcast_Messages= All

!Receive_Broadcast_Messages_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to enable the Remote Configuration option from the UNATTEND.TXT file. This option can also be set on the [NetWare/IP property page](#). It allows preexisting DHCP parameters to determine the workstation or server network parameters.

Parameter: Remote_Config

Syntax: !Remote_Config = on|off

Overwrite parameter: Remote_Config_OverWriteValue

Syntax: !Remote_Config_OverWriteValue = yes|no

Example:

!Remote_Config = on

!Remote_Config_OverWriteValue = no

UNATTEND.TXT Settings Information

Use the following information to enable the Remove Microsoft NetWare Client option from the UNATTEND.TXT file.

If you set the Ask Remove MS NetWare Client parameter to YES, a dialog box will appear during installation asking the workstation user whether to delete the Microsoft** client. If you set it to NO, that dialog box does not appear.

If you set the Remove MS NetWare Client parameter to YES, the Microsoft client will be removed if the dialog box asking whether you want to remove the client does not appear. If the dialog box does appear, the **Yes** button will be the default button. If you set this parameter to NO, the opposite is true.

Parameter: AskRemoveMSNetWareClient

Syntax: !AskRemoveMSNetWareClient = yes|no

Parameter: RemoveMSNetWareClient

Syntax: !RemoveMSNetWareClient = yes|no

Example:

!AskRemoveMSNetWareClient = no

!RemoveMSNetWareClient = yes

In this example, the Microsoft client will be removed without the workstation user being asked whether to delete it.

UNATTEND.TXT Settings Information

Use the following information when setting the Short Machine Type parameter in the UNATTEND.TXT file.

Parameter: ShortMachineType

Syntax: !ShortMachineType = "*name*"

Overwrite parameter: ShortMachineType_OverWriteValue

Syntax: !ShortMachineType_OverWriteValue = yes|no

Example:

!ShortMachineType = "AST"

!ShortMachineType_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Signature_Level parameter in the UNATTEND.TXT file.

Parameter: Signature_Level

Syntax: !Signature_Level = *number*

Overwrite parameter: Signature_Level_OverWriteValue

Syntax: !Signature_Level_OverWriteValue = yes|no

Example:

!Signature_Level = 1

!Signature_Level_OverWriteValue = yes

UNATTEND.TXT Settings Information

Tree and Name Context pairs can be entered using the sets of variables. Enter multiple pairs by copying the three variables and increasing the integer number at the end of the variable names.

Note: You cannot skip integers. If you set the variables with the integers 1, 2, 3, 5, 6, then only the first three will work.

Use the following information when setting the Tree and Name Context parameter in the UNATTEND.TXT file:

Parameter: *Tree_Listnumber*

Syntax: *!Tree_Listnumber = tree name*

Parameter: *Default_Context_Listnumber = context*

Syntax: *!Default_Context_Listnumber = context*

Overwrite Parameter: *Tree_List_OverWriteValuenumber*

Syntax: *!Tree_List_OverWriteValuenumber = yes|no*

Example:

!Tree_List1 = ACME_Tree

!Default_Context_List1 = gdavis.mktg.ACME_Tree

!Tree_List_OverWriteValue1 = yes

!Tree_List2 = Sales_Tree

!Default_Context_List2 = gdavis.domestic.Sales_Tree

!Tree_List_OverWriteValue2 = yes

UNATTEND.TXT Settings Information

Use the following information to set the Use NWIP Custom Port option from the UNATTEND.TXT file.

Parameter: Use_Custom_Port

Syntax: !Use Custom Port = off

Overwrite parameter: Use_Custom_Port_OverWriteValue

Syntax: !Use_Custom_Port_OverWriteValue = on|off

Example:

!Use_Custom_port = no

!Use_Custom_Port_OverWriteValue = yes

UNATTEND.TXT Settings Information

The UseNetWareGINA parameter, if enabled, installs the Novell* IntranetWare* Client* for Windows** NT** GINA Authenticator when a third-party GINA is detected.

If this parameter is set to YES, the IntranetWare GINA is installed and the third-party GINA is removed. If this parameter is set to NO, the installer will prompt the user to either remove the third-party GINA or cancel the installation.

Use the following information when setting this parameter in the UNATTEND.TXT file.

Parameter: UseNetWareGINA

Syntax: !UseNetWareGINA = yes|no

Example:

!UseNetWareGINA = yes

UNATTEND.TXT Settings Information

The version parameters can be any number from 0 through 4,294,967,295. If this number is greater than the version number stored in the registry, the configuration settings in the UNATTEND.TXT file are written to the registry and this number is stored as the new version number. Otherwise, they aren't. The first time the Novell* IntranetWare* Client* for Windows** NT** software is installed, no version number is in the registry. In this case, the version numbers are written to the registry.

There is an additional version number that the Administrator cannot change. So, if Novell delivers a new client, the Administrator can upgrade without affecting major and minor internal version numbers.

Use the following information when setting the version parameters in the UNATTEND.TXT file:

Parameter: Major Internal Version

Syntax: !MajorInternalVersion = *number*

Parameter: Minor Internal Version

Syntax: !MinorInternalVersion = *number*

Example:

!MajorInternalVersion = 0

!MinorInternalVersion = 0

UNATTEND.TXT Settings Information

Use the following information when setting the Auto Retries parameter in the UNATTEND.TXT file.

Parameter: AutoRetries

Syntax: !AutoRetries = *number*

Overwrite parameter: AutoRetries_OverWriteValue

Syntax: !AutoRetries_OverWriteValue = yes|no

Example:

!AutoRetries = 2

!AutoRetries_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Close script results automatically option from the UNATTEND.TXT file.

Parameter: Close_Script_Results_Automatically

Syntax: !Close_Script_Results_Automatically = yes|no

Overwrite parameter: Close_Script_Results_Automatically_OverWriteValue

Syntax: !Close_Script_Results_Automatically_OverWriteValue = yes|no

Example:

!Close_Script_Results_Automatically = yes

!Close_Script_Results_Automatically_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Display Script Page option from the UNATTEND.TXT file.

Parameter: Display_Script_Page

Syntax: !Display_Script_Page = yes|no

Overwrite parameter: Display_Script_Page_OverWriteValue

Syntax: !Display_Script_Page_OverWriteValue = yes|no

Example:

!Display_Script_Page = no

!Display_Script_Page_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Display Variables Page option from the UNATTEND.TXT file.

Parameter: Display_Variables_Page

Syntax: !Display_Variables_Page = yes|no

Overwrite parameter: Display_Variables_Page_OverWriteValue

Syntax: !Display_Variables_Page_OverWriteValue = yes|no

Example:

!Display_Variables_Page = no

!Display_Variables_Page_OverWriteValue = yes

Setting Individual Variables Syntax

You can define up to four variables and their Overwrite values in the UNATTEND.TXT file by using the following syntax:

!%2 = *variable*

!%2_OverWriteValue = yes|no

!%3 = *variable*

!%3_OverWriteValue = yes|no

!%4 = *variable*

!%4_OverWriteValue = yes|no

!%5 = *variable*

!%5_OverWriteValue = yes|no

UNATTEND.TXT Settings Information

Use the following information to set the First Network Drive option from the UNATTEND.TXT file.

Parameter: First_Network_Drive

Syntax: !First_Network_Drive = *drive letter*

Overwrite parameter: First_Network_Drive_OverWriteValue

Syntax: !First_Network_Drive_OverWriteValue = yes|no

Example:

!First_Network_Drive = G

!First_Network_Drive_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Log in to server option from the UNATTEND.TXT file.

Parameter: Login_To_Server

Syntax: !Login_To_Server = yes|no

Overwrite parameter: Login_To_Server_OverWriteValue

Syntax: !Login_To_Server_OverWriteValue = yes|no

Example:

!Login_To_Server = yes

!Login_To_Server_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Packet Burst Read Window Size parameter in the UNATTEND.TXT file.

Parameter: Pburst_Read_Window_Size

Syntax: !Pburst_Read_Window_Size = *number*

Overwrite parameter: Pburst_Read_Window_Size_OverWriteValue

Syntax: !Pburst_Read_Window_Size_OverWriteValue = yes|no

Example:

!Pburst_Read_Window_Size = 36000

!Pburst_Read_Window_Size_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Packet Burst Write Window Size parameter in the UNATTEND.TXT file.

Parameter: Pburst_Write_Window_Size

Syntax: !Pburst_Write_Window_Size = *number*

Overwrite parameter: Pburst_Write_Window_Size_OverWriteValue

Syntax: !Pburst_Write_Window_Size_OverWriteValue = yes|no

Example:

!Pburst_Write_Window_Size = 15000

!Pburst_Write_Window_Size_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Minimum Time To Net parameter in the UNATTEND.TXT file.

Parameter: Minimum_Time_To_Net

Syntax: !Minimum_Time_To_Net = *number*

Overwrite parameter: Minimum_Time_To_Net_OverWriteValue

Syntax: !Minimum_Time_To_Net_OverWriteValue = yes|no

Example:

!Minimum_Time_To_Net = 0

!Minimum_Time_To_Net_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the NetWare_Protocol parameter in the UNATTEND.TXT file.

Parameter: NetWare_Protocol

Syntax: !NetWare_Protocol = BIND

Overwrite parameter: NetWare_Protocol_OverWriteValue

Syntax: !NetWare_Protocol_OverWriteValue = yes|no

Example:

!NetWare_Protocol = BIND

!NetWare_Protocol_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Preferred Tree parameter in the UNATTEND.TXT file.

Parameter: Preferred_Tree

Syntax: !Preferred_Tree = *tree name*

Overwrite parameter: Preferred_Tree_OverWriteValue

Syntax: !Preferred_Tree_OverWriteValue = yes|no

Example:

!Preferred_Tree = ACME_Tree

!Preferred_Tree_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Run scripts option from the UNATTEND.TXT file.

Parameter: Run_Scripts

Syntax: !Run_Scripts = yes|no

Overwrite parameter: Run_Scripts_OverWriteValue

Syntax: !Run_Scripts_OverWriteValue = yes|no

Example:

!Run_Scripts = no

!Run_Scripts_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Save Settings When Exiting Login parameter in the UNATTEND.TXT file.

Parameter: Save_Settings_When_Exiting_Login

Syntax: !Save_Settings_When_Exiting_Login = yes|no

Overwrite parameter: Save_Settings_When_Exiting_Login_OverWriteValue

Syntax: !Save_Settings_When_Exiting_Login_OverWriteValue = yes|no

Example:

!Save_Settings_When_Exiting_Login = yes

!Save_Settings_When_Exiting_Login_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Display_RAS_Page option from the UNATTEND.TXT file.

Parameter: Display_RAS_Page

Syntax: !Display_RAS_Page = yes|no

Overwrite parameter: Display_RAS_Page_OverWriteValue

Syntax: !Display_RAS_Page_OverWriteValue = yes|no

Example:

!Display_RAS_Page = no

!Display_RAS_Page_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Login Script option from the UNATTEND.TXT file.

Parameter: Login_Script

Syntax: !Login_Script = *path to login script*

Overwrite parameter: Login_Script_OverWriteValue

Syntax: !Login_Script_OverWriteValue = yes|no

Example:

!Login_Script = F:\SCRIPTS\BOB

!Login_Script_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Opportunistic Locking parameter in the UNATTEND.TXT file.

Parameter: Opportunistic_Locking

Syntax: !Opportunistic_Locking = on|off

Overwrite parameter: Opportunistic_Locking_OverWriteValue

Syntax: !Opportunistic_Locking_OverWriteValue = yes|no

Example:

!Opportunistic_Locking = on

!Opportunistic_Locking_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Profile Script option from the UNATTEND.TXT file.

Parameter: Profile_Script

Syntax: !Profile_Script = *path to profile script*

Overwrite parameter: Profile_Script_OverWriteValue

Syntax: !Profile_Script_OverWriteValue = yes|no

Example:

!Profile_Script = C:\SCRIPTS\PROFILE

!Profile_Script_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the Burst_Mode parameter in the UNATTEND.TXT file.

Parameter: Burst_Mode

Syntax: !Burst_Mode = yes|no

Overwrite parameter: Burst_Mode_OverWriteValue

Syntax: !Burst_Mode_OverWriteValue = yes|no

Example:

!Burst_Mode = yes

!Burst_Mode_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information to set the Clear current connections option from the UNATTEND.TXT file.

Parameter: Clear_Current_Connections

Syntax: !Clear_Current_Connections = yes|no

Overwrite parameter: Clear_Current_Connections_OverWriteValue

Syntax: !Clear_Current_Connections_OverWriteValue = yes|no

Example:

!Clear_Current_Connections = yes

!Clear_Current_Connections_OverWriteValue = yes

UNATTEND.TXT Settings Information

Use the following information when setting the [AskNetWareIP](#) parameter in the UNATTEND.TXT file.

Parameter: AskNetWareIP

Syntax: !AskNetWareIP = yes|no

Example:

!AskNetWareIP = yes

See also

[InstallNetWareIP](#)

UNATTEND.TXT Settings Information

Use the following information when setting the Preferred Server parameter in the UNATTEND.TXT file:

Parameter: Preferred_Server

Syntax: !Preferred_Server = *server name*

Overwrite parameter: Preferred_Server_OverWriteValue

Syntax: !Preferred_Server_OverWriteValue = yes|no

Example:

!Preferred_Server = Sales_server

!Preferred_Server_OverWriteValue = yes

Performing an Unattended Install Using UNATTEND.TXT

You can install Novell* IntranetWare* Client* for Windows** NT** on several workstations at the same time by using the unattended install feature. This can save a tremendous amount of time.

To Perform an unattended install

1. Copy the Novell Client CD to the network.
2. Open the Novell IntranetWare Client for Windows NT UNATTEND.TXT file.
This file is located in the I386\NLS\language directory on the Novell IntranetWare Client for Windows NT installation CD, and in the NLS\language directory on the first installation diskette.
3. Edit UNATTEND.TXT to set your preferences.
By default, all Novell IntranetWare Client for Windows NT parameters are commented out with a semicolon. Remove the semicolons from any parameters you want to change and edit the parameter settings. These parameters will then be set automatically during the software installation.
4. Save the file.
You can save the file with any filename you want to use. For example, you could rename the file NOVELL.TXT.
5. Log each of the new machines in to the network
6. To start the installation, enter the following on the command line:

```
SETUPNW /u:path to unattend file
```


For example:

```
SETUPNW /u:f:\public\ntclient\novell.txt
```

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Use NWIP Custom Port: This option is for networks where the default NWIP port (0xABCD) is not used. Configuring the correct NWIP default port will improve NWIP client startup in NetWare*/IP* 2.2 networks.

Default: OFF (unchecked)

Notes

- You can change this setting by using any of the following:
 - The **Parameters** tab of **Novell* NetWare/IP Adapter**
 - The UNATTEND.TXT file
 - The System Policy Editor

Using ACU

To install Novell* IntranetWare* Client* for Windows** NT** software using the Automatic Client Upgrade option, follow these steps:

1. Create an ACU folder.

The ACU folder is where the Novell client software is installed from.

2. Modify the login script and the UNATTEND.TXT file.

The login script should contain this command:

path to ACU folder\setupnw.exe /acu

3. Log in to IntranetWare.

If Novell IntranetWare Client for Windows NT is not yet installed, you will need to log in to IntranetWare using the Microsoft client.

4. Upgrade the Novell IntranetWare Client for Windows NT software.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Using Unattended Install to Install Windows NT and Novell IntranetWare Client for Windows NT at the Same Time

You can install Windows** NT** and Novell* IntranetWare* Client* for Windows NT at the same time. This can save a tremendous amount of time if you are installing the software on a number of workstations.

1. Copy the NT CD to the existing network.

Refer to your Windows NT documentation for more information.

2. Inside the I386 directory, make a directory called \$OEM\$.
3. Inside the \$OEM\$ directory, make a directory called NET.
4. Inside the NET directory, make another directory.

You can name this directory whatever you want. For example, you might want to name the directory based on the date of the version you're installing, or based on the name of the group you're installing for. In this example procedure, this directory is called NTCLIENT.

5. Open the Windows NT UNATTEND.TXT file.

The UNATTEND.TXT file is located in the I386 directory on the Windows NT 4.0 installation disk, whether you are using a CD or the network.

6. In the [Network] section, add or configure the following line:

```
InstallServices = ServicesList
```

7. At the end of the UNATTEND.TXT, add or configure the following lines:

```
[ServicesList]
```

```
NWFS = NovellNetWareClientParameters, \ $OEM$ \ NET \ NTCLIENT
```

If you named the directory in Step 4 something other than NTCLIENT, substitute that name for NTCLIENT in the above example.

8. Save the UNATTEND.TXT file.

You can save it anywhere where you'll be able to use it when you run the installation. You can also use any filename you want. For this example, save the file as NOVELL.TXT.

9. Copy the Novell Client CD to the network.

Copy it to the same directory you created in Step 4.

10. Open the Novell IntranetWare Client for Windows NT UNATTEND.TXT file.

This file is located in the root directory on the Novell IntranetWare Client for Windows NT installation disk.

11. Copy the entire contents of the Novell NetWare Client Parameters section in this UNATTEND.TXT file.
12. Paste the contents of the Novell NetWare Client Parameters section into the end of the document you created in Step 5 (NOVELL.TXT).
13. Edit NOVELL.TXT (or whatever you named your file) so that your preferences are configured.
By default, all Novell IntranetWare Client for Windows NT parameters are commented out with a semicolon. Remove the semicolons and edit the parameter settings you want to set when you install Novell IntranetWare Client for Windows NT.

14. Save the file.

15. To install NT, log each of the new machines in to the network

16. To start the installation, change to the directory on the Windows NT installation disk where WINNT.EXE can be found, and then enter the following on the command line from the NT installation directory:

```
WINNT /s:sourcepath /b /u:path to unattend file
```

For example:

```
WINNT /s:f:\i386 /b /u:f:\public\winnt40\i386\ $oem$ \ net \ ntclient \ novell.txt
```

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Using the SETUPNW.EXE Utility

Overview

SETUPNW.EXE provides a flexible and intuitive means for installing Novell* IntranetWare* Client* for Windows** NT** software. It allows the user to install the client software without using the control panel. SETUPNW.EXE also provides options for specifying which Unattended file to use and deciding whether to prompt for default information.

SETUPNW also provides the means for the network supervisor to automatically install the client software.

The syntax for SETUPNW.EXE is as follows:

SETUPNW.EXE [/U:*unattended file path*] [/ACU] [/?]

/U Uses a text file to specify the default functionality. The default text file, UNATTEND.TXT, is used if no alternative is presented with the */U:unattended file path* options.

/ACU Specifies that the install is to check the version stamp and proceed silently to use the defaults. If not all the values can be defaulted, you will be prompted only if absolutely necessary. If used in conjunction with the */U* option, the defaults will be taken from the Unattended file.

/W Installs the Workstation Manager utility.

/? Displays information about using SETUPNW.EXE.

What SETUPNW.EXE does during installation

When installing Novell IntranetWare Client for Windows NT, SETUPNW performs the following actions:

- Removes any existing IntranetWare Client software, such as the Microsoft** Client Services for NetWare.
- Installs Novell IntranetWare Client for Windows NT.
Some Novell IntranetWare Client for Windows NT files are copied to the WINNT\SYSTEM32\NETWARE folder on the workstation hard disk. Other files are copied to appropriate Windows NT folders, such as the \WINDOWS\SYSTEM32 and \WINDOWS\HELP folders.
- Updates the system registry with information needed to start Novell IntranetWare Client for Windows NT automatically each time Windows NT starts.

Procedure for a basic installation

To install Novell IntranetWare Client for Windows NT, follow these steps:

1. Insert the Novell IntranetWare Client for Windows NT CD into your workstation CD-ROM drive.
2. Change to the I386 directory, where SETUPNW.EXE is located.
3. Start SETUPNW.EXE.
A title screen appears.
4. Choose **Continue**.
5. Go through the installation process.
Most of this process is performed automatically by SETUPNW.EXE. It mainly involves copying and decompressing files.
6. Choose **OK**.

* Novell trademark. ** Third-party trademark. For more information, see Trademarks.

Using the Save Settings When Exiting Login Check Box

If you select the **Save settings when exiting Login** check box, the settings you changed or entered are saved when you leave the **IntranetWare* Login** configuration page. If you do not check the check box, your settings are not saved.

You can also set this option from the UNATTEND.TXT file.

Setting Welcome Screen options

The **Welcome Screen** portion of the **Advanced Login** property page is where you customize the welcome screen that appears when you start Windows NT. There are two options:

- Bitmap Filename
- Caption

What the User Sees

When the user at the client workstation logs in, the Automatic Client Upgrade checks the client's files to see if the version of the new client in the install directory is newer than the client's files. If they are, the user sees a dialog box that says a newer version of the client is available.

If the user chooses **Continue**, the upgrade starts automatically and the user sees an installation progress indicator as the newer files are copied. If the user chooses **Cancel**, the network continues to function without the upgrade. However, each time the user logs in with the older client, the files are compared and the option to upgrade is presented.

After the client has been updated, the user sees a dialog box presenting the option to reboot the workstation, unless ACU was run with the /U option and the parameter was configured so that it would not show this dialog box--in which case, there's no dialog box. To prevent the welcome and reboot dialog boxes from appearing, set the following parameters in the UNATTEND.TXT file:

DisplayInitialScreen = no

AskReboot = no

The client workstation must be rebooted in order for the newer version of IntranetWare* to take effect.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

What's New: Overview

Minimal Configuration Needed

Novell* IntranetWare* Client* for Windows** NT** is designed to minimize the need for configuration. Most settings have default values that work well in most environments. Therefore, you shouldn't have to spend a lot of time configuring the Novell IntranetWare Client for Windows NT.

Many Configuration Settings Available

Nevertheless, for those of you with unique needs or preferences, Novell IntranetWare Client for Windows NT allows you to change its configuration settings to meet your wants and needs.

New Configuration Methods

Novell IntranetWare Client for Windows NT is configured using [property pages](#) or [system policies](#). It can also be configured during installation using an [UNATTEND.TXT](#) file. Novell IntranetWare Client for Windows NT is not configured using a NET.CFG file.

Why Use Property Pages

Property pages allow you to change Novell IntranetWare Client for Windows NT settings at a workstation using a graphical interface that includes help for each of the settings.

Why Use System Policies

System policies allow you to configure the Novell IntranetWare Client for Windows NT settings for all the Windows NT workstations on your network. They also allow you to do this remotely so you don't have to go to each workstation. In fact, you should be able to do all the work at your own desk. There are some settings that can be configured only by using system policies, and there are some settings that cannot be configured by using system policies.

Why Use an UNATTEND.TXT File

The [UNATTEND.TXT](#) file allows you to configure the Novell IntranetWare Client for Windows NT settings during installation. By installing from an IntranetWare server, you can configure multiple workstations using the same UNATTEND.TXT file. The UNATTEND.TXT file uses NT INF file syntax. However, you should be familiar with the settings that are supported by Novell IntranetWare Client for Windows NT. Some parameters from previous IntranetWare clients are no longer supported, some parameters have changed, and there are some new parameters.

Configuration Settings Are in the Registry

The Novell IntranetWare Client for Windows NT configuration settings are stored in the [system registry](#) (not in the NET.CFG file). You should not edit the system registry directly. Use property pages or system policies instead.

Long Filename Support

Novell IntranetWare Client for Windows NT supports long filenames. This requires using the OS/2** name space. For more information, see [Configuring for Long Filename Support](#).

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Configuring Novell IntranetWare Client for Windows NT 4.0

After you install Novell* IntranetWare* Client* for Windows** NT** on a Windows NT 4.0 workstation, you must perform some basic configuration tasks before you can access the network.

[Choosing a network adapter card driver](#)

[Configuring a network adapter card driver](#)

[Removing a network adapter card driver](#)

[Installing NetWare/IP*](#)

[Setting the name context, preferred tree, and preferred server](#)

[Setting advanced workstation parameters](#)

[Configuring token-ring settings](#)

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

NetWare/IP Services Provided

NetWare*/IP* provides the following support services:

- The Domain SAP/RIP Service (DSS) maintains two types of information required by IntranetWare servers and clients:
 - Service Advertising Protocol (SAP) information about the available IntranetWare services
 - Routing Information Protocol (RIP) information about routes between IntranetWare serversOnce configured, the DSS automatically maintains this information and makes it available to all NetWare/IP nodes. NetWare/IP servers and clients use DSS servers to obtain service and routing information.
- The Domain Name Service (DNS) is a distributed database system used to locate computers in TCP/IP internetworks. NetWare/IP servers and clients use DNS to locate the DSS server.

* Novell trademark. ** Third-party trademark. For more information, see [Trademarks](#).

Defining Variables

You can define up to four variables to be used by the login scripts. You or your network supervisor can set up your login scripts to use these variables.

For example, you might define one variable as MAIL. Your login script might use the MAIL variable to map drives to the mail server.

To define a variable, enter it in the appropriate variable field on the **Login** property page in the Novell IntranetWare Client Services configuration page. This configuration page can be found in the Network control panel. Variables can be up to 255 characters long.

You can also set the Display Variables Page option from the UNATTEND.TXT file.

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