Auto Retries

Initial DSS contact retries, specifies the number of times the client will attempt to communicate with a given DSS server at startup.

Default: 1
Maximum: 50
Minimum: 0

Burst Mode

When Packet Burst mode is On, the workstation sends multiple packets each time it communicates with the network. This process generally results in more efficient network communication.

Default: On

Turn off Packet Burst mode on an individual workstation that is monopolizing network traffic on a busy network. Performance for other workstations on the network should improve.

To turn on or turn off Packet Burst mode

1. Select the "On" or "Off" button in the "Burst Mode" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Change Directory Tree

Change your Directory tree to view and connect to volumes or other resources that are different from those in the current tree.

This change applies only to the current login session. To make a permanent change to the tree, you must change "Preferred Tree" in the <u>NetWare Workstation Configuration</u> dialog. (Access this dialog by selecting "Network" in the "Control Panel." Then select "Novell NetWare Client Services" in the "Installed Network Software" list and select "Configure.")

To change the Directory tree

1. Select a new tree from the pull-down list in the "Select New Tree" box or type a new tree name.
2. Select "Change."

Important: This will log you out of all servers in the current tree and give you a connection to a server in the new tree you selected.

Change NetWare Directory Services Context

Change your context to view and connect to volumes or other resources that are different from those in the current context. The context specifies where in the Directory tree the User object is located.

This change in context applies only to the current login session. To make a permanent change to the context, you must change "Name Context" in the <u>NetWare Workstation Configuration</u> dialog. (Access this dialog by selecting "Network" in the "Control Panel." Then select "Novell NetWare Client Services" in the "Installed Network Software" list and select "Configure.")

To change your NDS context

1. Type the full name of the new context in the "Enter New Default Context" box.
2. Select "Change."

Contents

Delay Time Between Retries

The workstation will try to send a packet again if it does not receive a message that the packet was received. This parameter specifies how long the workstation will wait for this message.

By default, the NT client dynamically adjusts the retry time based on your network's individual performance characteristics. Therefore, it is usually best to leave this setting at the default (dynamic delay time).

Try changing this value temporarily if you have trouble maintaining a connection on a link with a long communication delay.

    Default: Dynamic (0)
    Maximum: 60,000 milliseconds
    Minimum: 15 milliseconds

Important: This parameter is interrelated with other parameters that affect network performance. Changing this value could require the change of other performance parameters.

To change the delay time between retries

1. Type a number in the specified range in the "Delay time between retries (in milliseconds):" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

IPX Frame Type

You must specify the frame type used on your network. You can use AUTODETECT, which searches the network for a valid frame type and then uses that frame type to communicate.

You can specify only one frame type.

To specify a frame type

1. From the pull-down list, select a frame type.

   If you select AUTODETECT, the network is searched in the order of this list for a valid frame type. The first valid type is then used for communications. If you select the wrong frame type, the workstation cannot make a connection to the network.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

IPX/SPX Configuration

These parameters help you control your connection to the network through Novell's IPX/SPX protocol.

Number of SPX Connections
Number of SPX System Buffers
Number of Times to Resend SPX Packets
Delay Time Between Retries
Watchdog Timeout Values

NSQ Broadcasts

Specifies whether this client will use Nearest Server Query (NSQ) broadcasts to locate the nearest server.
Default: On

Name Context

This parameter specifies the location of the User object in the Directory tree (NetWare 4 users using NetWare Directory Services).

This parameter does not apply if the user is 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 the network using this workstation.

You can also change the name context for this login session only. To make this change, open the "File Manager" and select the "NetWare" menu. Then select "Change Context."

To set or change the name context

1. Type the full context name in the "Name Context" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Nearest NetWare/IP Server

Specifies the IP address, or subnetwork IP address of up to five NetWare/IP servers that are closest to this client.

NetWare Change Password

Use this dialog box to change your password for the specified Directory tree or on selected servers.

If you are changing the password because it has expired on the Directory tree or on a NetWare server, you will also need to change the Windows NT password to keep them synchronized.

If you are changing the password because it has expired on Windows NT, you are prompted to synchronize it with the NetWare password.

When you change your password for the specified Directory tree, the password for all servers in that tree is changed.

When you change your password for a server, the change is synchronized with all selected servers. If you have a different password on one of the selected servers, the password will not be changed on that server. You can select from a list of servers that includes both current connections and remembered connections.

NetWare Workstation Configuration

Modify these parameters to customize the way the workstation attaches to the network or to improve workstation performance on the network.

Name Context: Specifies location of User object in Directory tree
Preferred Tree: Specifies preferred tree for NetWare Directory Services login
Preferred Server: Specifies preferred server for bindery login
Burst Mode: Turns Packet Burst on or off to modify network performance
Retry Count: Adjusts retry count to allow for excessive network activity

NetWare/IP Domain

Specifies the NetWare/IP domain to which this client belongs.

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

NetWare/IP Support

NetWare/IP Support allows your Windows NT Client to access NetWare services over a TCP/IP network.

Requirements

Use the NetWare/IP Support configuration options to determine these settings.

NetWare/IP Domain
Preferred DSS
Nearest NetWare/IP Server
NSQ Broadcasts
Auto Retries
Retry Time

Network Protocol

Use this dialog to specify a non-standard frame type or network protocol.

Specify a frame type only if the type used on your network does not appear on the previous dialog.

The network protocol is automatically set by the NetWare client and is usually the appropriate protocol. In rare cases you may need to specify a protocol that is not part of the client setup.

To specify a non-standard frame type or protocol

1. Type the frame type in the "Frame Type" box.
2. If necessary, type the network protocol in the "Network Protocol" box.
3. Select "OK."

Note: You must restart the workstation for this change to take effect.

Number of SPX Connections

This parameter specifies the number of SPX connections allowed by the workstation. Increase the number of SPX connections for workstations that use applications requiring a large number of SPX connections. For example, a workstation running SQL Server usually requires a larger number of SPX connections.

> Default: 48
> Maximum: 65,534
> Minimum: 1

To change the number of SPX connections

1. Type a number in the specified range in the "Number of SPX connections" box.
2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Number of SPX System Buffers

This parameter controls how many buffers are used for incoming packets before NetWare turns off the receipt of additional packets.

Default: 3
Maximum: 8
Minimum: 1

Some applications may cause a delay in handling SPX packets, causing additional traffic due to unnecessary resends. In this case, you might increase the number of SPX system buffers to improve system performance.

To change the number of SPX system buffers

1. Type a number in the specified range in the "Number of SPX System Buffers" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Number of Times to Resend SPX Packets

On a busy network, packets may need to be sent several times before they are received. A large number of retries is necessary on a busy network to make sure communications are successful, but too many resends can slow down system performance. Adjusting this parameter requires a careful balancing of these two conflicting needs.

Default: 10
Maximum: 50
Minimum: 3

Important: This parameter is interrelated with other parameters that affect network performance. Changing this value could require the change of other performance parameters.

To change the number of times to resend SPX packets

1. Type a number in the specified range in the "Number of times to resend SPX packets" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

■ ODI Driver Advanced Settings

The **LSB** and **MSB** specify whether the Least Significant Bit (LSB) or the Most Significant Bit (MSB) is used in a token ring network. Default value: MSB for each parameter.

The **node address override** allows you to specify a different node address to override the address assigned to the network adapter card by the card manufacturer. The address must be expressed in hexadecimal format.

For workstations with EISA or MCA buses, the **slot** parameter indicates the expansion slot number in the workstation that the network adapter card is in. The Novell client searches for a network adapter card and uses the first card it finds.

If you have more than one adapter card installed in the workstation:

1. Specify the slot number of the card you want to use.
2. Select "OK."
   Note: You must restart the workstation for these changes to take effect.

▨ ODI Driver Configuration

Specify the settings for the workstation's network adapter card.

The settings listed in this dialog box vary depending on the type of card you have installed.

To change the NetWare ODI settings

1. Type each of the settings for the network adapter card in the box provided.

   Important: If you specify the wrong settings, the workstation cannot make a connection to the network.

2. Select "OK."

   Note: You must restart the workstation for these changes to take effect.

NetWare NDIS over ODI (ODINSUP) Setup

Use this dialog to specify which driver for the network adapter card is used with the NetWare client. You can have more than one driver installed, but only one driver at a time can be used.

To select a driver

1. Select a driver from the pull-down list in the "Installed ODI Adapters" box.
2. Select "OK."

Preferred DSS

Specifies the IP addresses, or subnetwork IP addresses 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 <u>NetWare/IP Domain</u> in the NetWare/IP Support configuration window.

Preferred Server

This parameter specifies the server the workstation will attach to first when logging in as a bindery-based client (NetWare 3 or NetWare 4 running bindery services).

If the workstation can't establish a connection with the preferred server, the client will attempt to establish other server connections.

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

To set or change the preferred server

1. Type the name of the preferred server or select a preferred server from the pull-down list in the "Preferred Server" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Preferred Tree

This parameter specifies the Directory tree you want to log in to on a NetWare 4 network using NetWare Directory Services. A user can access all the resources in the preferred tree upon logging in to the network.

Note: The preferred tree applies to any user logging in to the network using this workstation. To log in to a different tree, you must change the preferred tree and then restart the workstation.

You can also change the preferred tree for this login session only. To make this change, open the "File Manager" and select the "NetWare" menu. Then select "Change Tree."

To set or change the preferred tree

1. Type the name of the preferred tree or select a preferred tree from the pull-down list in the "Preferred Tree" box.
2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Requirements

Before you can use NetWare IP Support, you must have the following:

- Microsoft's TCP /IP Services installed on your Windows NT Workstation.
- Access to a NetWare IP Server on the network.

Retry Time

Specifies the time interval in seconds between attempts to retry communicating with a given DSS server at startup.

Default: 4 seconds
Maximum: 100 seconds
Minimum: 1 second

Retry Count

This parameter specifies the number of times the workstation tries to send an NCP packet before issuing an error message.

Increase the retry count for a network with a large amount of traffic.

Reduce this interval if you are using applications that are known to fail and you want to decrease the time waiting for error messages.

> Default: 16
> Maximum: 64
> Minimum: 8

Important: This parameter is interrelated with other parameters that affect network performance. Changing this value could require the change of other performance parameters.

To change the retry count

1. Type a number in the specified range in the "Retry Count" box.

2. Select "OK."

Note: You must restart the workstation for the change to take effect.

Watchdog Timeout Values

The **Abort** timeout is the time the workstation waits without receiving any response from the other side of the connection before terminating the connection.

Default: 30 seconds
Maximum: No limit
Minimum: 1 second

The **Listen** timeout is the time the workstation waits without receiving a packet from the other side of the connection before requesting the other side to send a packet to ensure the connection is still valid.

Default: 6 seconds
Maximum: No limit
Minimum: 1 second

The **Verify** timeout specifies how often the workstation sends a packet to the other side of a connection to verify the connection is still alive.

Default: 3 seconds
Maximum: No limit
Minimum: 1 second

These parameters can be adjusted if you are having trouble maintaining connections with your network.

Important: These parameters are interrelated with other parameters that affect network performance. Changing these values could require the change of other performance parameters.