




Domain Monitor Help

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Domain Menu Commands

Add Domain

Adds a domain to be monitored. Choose a domain to add in the Select Domain dialog box.

Remove Domain

Removes a selected domain from the list of monitored domain. You can also remove a selected domain by pressing the DEL key.

Properties

Displays details about servers and trusted domains for a selected domain. You can also display the Domain Controller Status dialog box by double-clicking the PDC name in the main Domain Monitor window.

Exit

Closes the Domain Monitor window. You can also press ALT+F4 to quit Domain Monitor.

View Menu Commands

Refresh

Queries all servers and updates the information displayed in Domain Monitor. For large networks, the update process can take several minutes.

You can also press F5 to refresh the information displayed.

Options Menu Commands

Intervals

Displays the Intervals dialog box so that you can specify the time interval for status updates.

Monitor Trusted Domain

Specifies whether trusted domains are monitored, with the information displayed in the lower TDCLinkStatus list. The Show Trust Domain button in the Domain Controller Status dialog box is available only if the Monitor Trusted Domain command is checked.

Save Settings on Exit

Specifies whether the selected domains and other options in Domain Monitor are preserved between working sessions. Choose this command to turn this feature off or on. A check mark appears by this command name when it is active.

Select Domain Dialog Box

The Select Domain dialog box appears when you choose the Add Domain commands from the Domain menu. Use either the Domain box or Select Domain box to choose the domain you want to add.

This dialog box works the same as similar browse lists that appear throughout Windows NT.

To use the Domain box:

- 1 Type the name of a domain that you want to include in the list of domains to monitor, including the \\ characters for the UNC path name.
- 2 Choose the OK button.

To use the Select Domain box:

- 1 Select a domain name from the list.
- 2 Choose the OK button.

Domain Controller Status Dialog Box

This dialog box appears when you choose the Domain Properties command from the Domain menu. You can also display this dialog box by double-clicking a domain name in the PDC column in the main Domain Monitor window.

Click the name of an item in the Domain Controller Status dialog box to see more information about that item:

DC Name

DC Status

Repl Status

PDCLinkStatus

TDCLinkStatus

Trusted Domain

Trusted DC

Secure Channel Status

Disconnect Button

Show Trusted DC Button

Trusted Domain Dialog Box

This dialog box appears when you choose the Show Trusted Domain button in the Domain Controller Status dialog box.

Click the name of an item in the Trusted Domain dialog box to see more information about that item:

DC Name

DC Status

Repl Status

PDCLinkStatus

Intervals Dialog Box

This dialog box appears when you choose the Intervals command from the Options menu.

In the Intervals box, type the number of seconds you want to wait between status updates.

The update can take several minutes if there is a large number of servers in the specified domains or if there is a long list of domains to be monitored.

The default is 900 seconds (15 minutes).

Using Domain Monitor

The Domain Monitor utility monitors the status of servers in a specified domain and its secure channel status to the domain controller and to domain controllers in trusted domains. If any status shows errors, Domain Monitor displays various status icons, plus the domain controller name and list of trusted domains. You can find the cause of errors by checking the error numbers reported in the Windows NT Messages database.

Domain Monitor connect to servers to retrieve status information using the current user's username and password. So if the current user account doesn't exist in a domain or in the database of a trusted domain, the status query may fail. Any user who is logged on can query the status information, but only administrators can use the Disconnect button to disconnect and restore connections.

When errors occur in connections with a problem domain, you can disconnect and reconnect to attempt to correct the error by choosing the Disconnect Button in the Domain Controller Status dialog box.

See Also

[Adding and Removing Domains from the List](#)

[Viewing Domain Status](#)

[Viewing Trusted Domain Status](#)

[Setting Options](#)

Domain Status Icons

The status of a domain is shown in one of following states:



Success: Indicates that all servers in the domain are running and PDCLinkStatus and TDCLinkStatus shows only successful connections (no errors).



Problem: Indicates a problem that may requires attention. This icon appears when any server in the domain has an error under PDCLinkStatus or TDCLinkStatus or when any server in the domain is down.



Warning: Indicates a severe problem that requires attention. This icon appears when the status for any server or domain controller shows an error or when the domain's domain controller is down.



Domain Down. This icon is displayed when all servers in the domain are down.



Unknown. This icon is displayed while Domain Monitor is checking connections.

Adding and Removing Domains from the List

To add to the list of domains to be monitored:

- ▶ From the Domain menu, choose the Add Domain command, and then type a domain name or select a name from the list in the Select Domain dialog box.

To remove a domain from the list of monitored domains:

- ▶ Select the domain to be removed and then press the DEL key.
Or from the Domain menu, choose the Remove Domain command.

Viewing Domain Status

To view details about a domain in the Domain Monitor window:

- ▶ Double-click the name of the domain controller in the PDC column in the Domain Monitor window.
Or select the domain for which you want to view details. Then from the Domain menu, choose the Properties command.

In the Domain Controller Status dialog box, which shows details about the selected domain, you can choose the Show Trusted DC button to view details about a selected trusted domain.

Viewing Trusted Domain Status

To view details about trusted domains, the Monitor Trusted Domain command must be checked on the Options menu.

To view the status of a trusted domain:

► Select the domain name in the TDCLinkStatus list of the Domain Controller Status dialog box, and then choose the Show Trusted Domain button.

The Trusted Domain dialog box shows the DC Status, Repl Status, and PDCLinkStatus for the selected domain.

To find details about any errors that may appear, see the Windows NT Messages database.

Setting Options

You can manually refresh the displayed information, set the rate for automatic refreshing, and specify whether trusted domains are monitored.

To refresh displayed information manually:

- ▶ From the View menu, choose the Refresh command.
Or press F5.

To define the interval for automatic refreshing:

- ▶ From the Options menu, choose the Intervals command and type a number of seconds between updates in the Intervals dialog box.

To monitor trusted domains:

- ▶ From the Options menu, choose the Monitor Trusted Domain command.

To preserve optional settings between work sessions:

- ▶ From the Options menu, choose the Save Settings on Exit command.

DC Name

Shows the name of the server for a domain. If the icon is dimmed, that server is inactive. The icons show the type of computer for the connection:



The domain controller for the domain



A backup server for the domain.



A down-level computer on the domain.

DC Status

Online indicates that the server is running.

Offline indicates that the power is off or that the Server service, Workstation service, or NetLogon service is not running.

Repl Status

InSync indicates that the dates are identical for replicated information on the domain controller and the server.

InProgress indicates that an update is currently underway.

ReplRequired indicates that the dates for replicated information on the backup server are older than for information on the domain controller, requiring a replication update.

PDCLinkStatus

Shows success or any errors in the links for the domain controller on a selected domain.

To interpret the error numbers that appear in these lists, see the Windows NT Messages database.

TDCLinkStatus

Shows success for the links if all the trusted domains show success in the lower list of trusted domains. If TDCLinkStatus shows an error, the lower list shows where and what the problem is.

The domain controller connects to only one server in the trusted domain, although several servers could be available. The highlighted server name in the TDCLinkStatus list shows which server is connected.

To interpret the error numbers that appear in these lists, see the Windows NT Messages database.

Trusted Domain

Shows the names of the trusted domains connected to a selected domain in the upper list.

Trusted Domain Controller

Shows the name of the connecting domain controller or server for a trusted domain.

A connection is made to only one domain controller or server in the trusted domain (even though several could be available for the connection).

Secure Channel Status

Shows the status for the secure communication channel between the trusted domain and the selected domain.

To communicate with the NetLogon service on a remote computer, the NetLogon service sets up a secure communication channel, which is used to pass the user name and password to a Windows NT Advanced Server during validation. Windows NT computers maintain security on these communication channels by using user-level security to create the channel.

NetLogon service attempts to set up a secure channel when the service is started. Failing that, NetLogon will retry every 15 minutes or whenever an action occurs that requires validation.

Disconnect Button

If an error appears in the TDC status list, select that trusted domain name, and then choose the Disconnect button. This disconnects the selected connection and attempts to establish a new connection.

This is helpful when a server attempts to connect to a trusted domain controller across an expensive wide-area network (WAN) link or when the trusted domain controller is loaded heavily and responds slowly.

You can successfully choose the Disconnect button only if you are logged on as an administrator.

Show Trusted Domain Controller Button

Choose this button to display information about the Trusted domain selected in the Domain Controller Status dialog box. The information includes the Status, Repl Status, and PDCLinkStatus for the selected trusted domain.

This button is only available if Monitor Trusted Domain is checked in the Options menu.

Error

To find the meaning of an error number, see the Windows NT error messages database.

To start the Messages database from Program Manager, double-click the Messages icon in the Microsoft Windows NT Messages program group.

Trusted Domain

A trusted domain has a linked relationship with another Windows NT Advanced Server domain. In the trust relationship, one domain honors the users of another domain, trusting the logon authentications performed by the other domain for its own users. User accounts and global groups defined in a trusted domain can be granted rights, resource permissions, and local group memberships at a trusting domain and its member computers, even though those accounts don't exist in the trusting domain's security database.

When trust relationships are properly established between all the domains of a network, they allow a user to have only one user account and one password in one domain, yet to access the entire network.

To establish a trust relationship between domains, use User Manager for Domains.

