PowerShell Get-Help on command 'Set-Net6to4Configuration'

PS C:\Users\wahid> Get-Help Set-Net6to4Configuration

NAME

    Set-Net6to4Configuration

SYNOPSIS

    Sets the 6to4 configuration for both client computers and servers.

SYNTAX

    Set-Net6to4Configuration [[-State] {Default | Automatic | Enabled | Disabled}]

    [[-AutoSharing] {Default | Automatic | Enabled | Disabled}] [[-RelayName]

    <String>] [[-RelayState] {Default | Automatic | Enabled | Disabled}]

    [[-ResolutionIntervalSeconds] <UInt32>] [-AsJob] [-CimSession <CimSession[]>]

    [-Confirm] [-GPOSession <String>] [-IPInterface <CimInstance>] [-PassThru]

    [-PolicyStore <String>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

    Set-Net6to4Configuration [[-State] {Default | Automatic | Enabled | Disabled}]

    [[-AutoSharing] {Default | Automatic | Enabled | Disabled}] [[-RelayName]

    <String>] [[-RelayState] {Default | Automatic | Enabled | Disabled}]

    [[-ResolutionIntervalSeconds] <UInt32>] [-AsJob] [-CimSession <CimSession[]>]

    [-Confirm] -InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>]

    [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-Net6to4Configuration cmdlet sets the 6to4 configuration of both client computers and servers.

6to4 is an address assignment and router-to-router automatic tunneling technology that is described in RFC 3056: Connection of IPv6 Domains via IPv4 Clouds (https://go.microsoft.com/fwlink/p/?LinkId=256388). 6to4 provides a globally-routable IPv6 address to a host with a public IPv4 address. This IPv6 address can be used to connect to other 6to4 hosts or the IPv6 Internet.

This cmdlet is similar in functionality to the `netsh interface 6to4 context` command.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

-AutoSharing <State>

Determines if 6to4 prefixes are forwarded when Internet Connection Sharing (ICS) is enabled. By default, 6to4 prefixes are forwarded.

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession (https://go.microsoft.com/fwlink/p/?LinkId=227967) or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-GPOSession <String>

Specifies the Group Policy session in which to store the 6to4

configuration information.

You can use this parameter with the NetGPO cmdlets to aggregate multiple

operations performed on a Group Policy Object (GPO).

You cannot use this parameter with the PolicyStore parameter.

-IPInterface <CimInstance>

Specifies the IP interface on which to set the 6to4 configuration.

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By

default, this cmdlet does not generate any output.

-PolicyStore <String>

Specifies the policy store that contains the configuration to set. The

acceptable values for this parameter are:

- PersistentStore

- ActiveStore

- GPO

To set the configuration of a GPO, specify the GPO name using the

following format: `Domain\GPOName`

You cannot use this parameter with the GPOSession parameter.

-RelayName <String>

Specifies a 6to4 relay name. If 6to4 connectivity is not available on the

computer, the relay name setting has no effect.

-RelayState <State>

Configures the 6to4 relay state. The acceptable values for this parameter

are:

- Default. If the host has link-local only IPv6 connectivity and a public

IPv4 address, then 6to4 is enabled. If there is no global IPv6 address

present and no global IPv4 address present, then the host does not have a

6to4 interface. If there is no global IPv6 address present but there is a

global IPv4 address present, then the host has a 6to4 interface. -

Enabled. If there is a global IPv4 address present, then the host has a

6to4 interface. If there is no global IPv4 address present, then the host

does not have a 6to4 interface. - Disabled. 6to4 is turned off and

connectivity with 6to4 is not available. - Automatic.

-ResolutionIntervalSeconds <UInt32>

Specifies the frequency for resolving the relay name. The 6to4 relay name

resolution interval setting has no effect if there is no 6to4 connectivity

available on the host.

-State <State>

Specifies the state behavior of 6to4. The acceptable values for this

parameter are:

- Default. If the host has link-local only IPv6 connectivity and a public

IPv4 address, then 6to4 is enabled. If there is no global IPv6 address

present and no global IPv4 address present, then the host does not have a
6to4 interface. If there is no global IPv6 address present but there is a
global IPv4 address present, then the host has a 6to4 interface. -
Enabled. If there is a global IPv4 address present, then the host has a
6to4 interface. If there is no global IPv4 address present, then the host
does not have a 6to4 interface. - Disabled. 6to4 is turned off and
connectivity with 6to4 is not available. - Automatic.

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be
established to run the cmdlet. If this parameter is omitted or a value of
`0` is entered, then Windows PowerShellr calculates an optimum throttle
limit for the cmdlet based on the number of CIM cmdlets that are running
on the computer. The throttle limit applies only to the current cmdlet,
not to the session or to the computer.

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,
ErrorAction, ErrorVariable, WarningAction, WarningVariable,
OutBuffer, PipelineVariable, and OutVariable. For more information, see
about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

--- Example 1: Modify the relay name on the persistent store ---

PS C:\>Set-Net6to4Configuration -RelayName "my6to4relay.com"

This command sets the relay name to my6to4relay.com for 6to4 connectivity on
the local persistent store.
REMARKS

To see the examples, type: "get-help Set-Net6to4Configuration -examples".

For more information, type: "get-help Set-Net6to4Configuration -detailed".

For technical information, type: "get-help Set-Net6to4Configuration -full".

For online help, type: "get-help Set-Net6to4Configuration -online"