PowerShell Get-Help on command 'Set-NetIsatapConfiguration'

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

NAME

    Set-NetIsatapConfiguration

SYNOPSIS

    Sets an ISATAP configuration on a computer or on a Group Policy Object (GPO).

SYNTAX

    Set-NetIsatapConfiguration [[-State] {Default | Automatic | Enabled |
    Disabled}] [[-Router] <String>] [[-ResolutionState] {Default | Automatic |
    Enabled | Disabled}] [[-ResolutionIntervalSeconds] <UInt32>] [-AsJob]
    [-CimSession <CimSession[]>] [-Confirm] [-GPOSession <String>] [-IPInterface
    <CimInstance>] [-PassThru] [-PolicyStore <String>] [-ThrottleLimit <Int32>]
    [-WhatIf] [<CommonParameters>]

    Set-NetIsatapConfiguration [[-State] {Default | Automatic | Enabled |
    Disabled}] [[-Router] <String>] [[-ResolutionState] {Default | Automatic |
    Enabled | Disabled}] [[-ResolutionIntervalSeconds] <UInt32>] [-AsJob]
    [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]>
    [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-NetIsatapConfiguration cmdlet sets an ISATAP configuration on a

computer or on a Group Policy Object (GPO).

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands

that take a long time to complete.

-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 to which to store the configuration

information.

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

performed on a GPO.

You cannot use this parameter with the PolicyStore parameter.

-IPInterface <CimInstance>

Specifies the IP interface on which to set the ISATAP 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.

-ResolutionIntervalSeconds <UInt32>

   Specifies how often in seconds that Windows Serverr 2012 attempts to

   contact the specified ISATAP server.

-ResolutionState <State>

   Specifies the state of router name resolution. The state of the router

   name resolution specifies how often Windows Server 2012 resolves the

   ISATAP router name.

-Router <String>

Specifies the policy setting that allows you to specify a router name or IPv4 address for an ISATAP router.

If you enable this policy setting, then you can specify a router name or IPv4 address for an ISATAP router. If you enter an IPv4 address of the ISATAP router, then DNS services are not required.

-State <State>

Specifies the policy setting that allows you to configure ISATAP, an address-to-router and host-to-host, host-to-router and router-to-host automatic tunneling technology that provides unicast IPv6 connectivity between IPv6 hosts across an IPv4 intranet. You can specify one of the following three policy setting states:

- Default. If the ISATAP router name is resolved successfully, then ISATAP is configured with a link-local address and an address for each prefix received from the ISATAP router through stateless address auto-configuration.

---- If the ISATAP router name is not resolved successfully, then ISATAP connectivity is not available on the host using the corresponding IPv4 address.

-- Enabled.

---- If the ISATAP name is resolved successfully, then ISATAP is configured with a link-local address and an address for each prefix received from the ISATAP router through stateless address auto-configuration.

---- If the ISATAP name is not resolved successfully, then the ISATAP interface is configured with a link-local address.

-- Disabled. No ISATAP interfaces are present on the host.

-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: Set ISATAP configuration -------------

PS C:\>Set-NetIsatapConfiguration -Router superisatap

This command modifies the router name.

-------- Example 2: Set a router using an input object --------

PS C:\>$config = (Get-NetIPInterface -InterfaceIndex 14 |

Get-NetIPISATAPConfiguration)

PS C:\> $config.Router = "SuperIsatap"

PS C:\> Set-NetIsatapConfiguration -InputObject $config

This set of commands uses the Get-NetIPInterface and

Get-NetIsatapConfiguration cmdlets to get the ISATAP configuration of the

interface at index 14 and stores it in a variable named $config, and then sets

the router name to SuperIsatap using this cmdlet.

REMARKS

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

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

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

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