Windows PowerShell Get-Help on Cmdlet 'Set-NetIsatapConfiguration'

PS:\>Get-HELP Set-NetIsatapConfiguration -Full

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.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-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.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false
Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IPInterface <CimInstance>

Specifies the IP interface on which to set the ISATAP configuration.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-InputObject <CimInstance[]>

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

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResolutionIntervalSeconds <UInt32>

Specifies how often in seconds that Windows Serverr 2012 attempts to contact the specified ISATAP server.

Required? false

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

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

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<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).

INPUTS

None

This cmdlet accepts no input objects.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetISATAPConfiguration

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

When the Passthru parameter is specified, this cmdlet outputs a modified ISATAP configuration object.

NOTES

---------- 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.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/networktransition/set-netisatapconfiguration?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-NetIsatapConfiguration

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