PowerShell Get-Help on command 'Set-NetNatTransitionConfiguration'

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

NAME

Set-NetNatTransitionConfiguration

SYNOPSIS

Sets the NAT64 configuration on a computer.

SYNTAX

Set-NetNatTransitionConfiguration [-Adapter <CimInstance>] [-AsJob]

[-CimSession <CimSession[]>] [-Confirm] [-IPv4AddressPortPool <String[]>]

[-InboundInterface <String[]>] [-InstanceName <String[]>] [-OutboundInterface

<String[]>] [-PassThru] [-PolicyStore {PersistentStore | ActiveStore}]

[-PrefixMapping <String[]>] [-State {Disabled | Enabled}]

[-TcpMappingTimeoutSeconds <UInt32>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-NetNatTransitionConfiguration [-AsJob] [-CimSession <CimSession[]>]

[-Confirm] [-IPv4AddressPortPool <String[]>] [-InboundInterface <String[]>]

-InputObject <CimInstance[]> [-OutboundInterface <String[]>] [-PassThru]

[-PrefixMapping <String[]>] [-State {Disabled | Enabled}]

[-TcpMappingTimeoutSeconds <UInt32>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

    The Set-NetNatTransitionConfiguration cmdlet sets the NAT64 configuration on a

    computer.

PARAMETERS

    -Adapter <CimInstance>

        Specifies the network adapter on which to apply the NAT64 configuration.

    -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.

    -IPv4AddressPortPool <String[]>

        Specifies the list of IPv4 address and port ranges to be used by NAT64 for

        creating the mappings from the IPv6 source address to the IPv4 target

        address. The format is a comma-separated list of <IPv4

        address,Lowport-Highport>. Such as

        `"10.0.0.2,1024-3388","10.0.0.2,4000-49023"`. The port value must be

        between 1024 and 65535. The wildcard character ( ) can be specified to use

the whole port range, such as `10.0.0.1, `.

-InboundInterface <String[]>

   Sets the interface on which the NAT64 is listening for the matching

   incoming IPv6 traffic.

-InputObject <CimInstance[]>

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

-InstanceName <String[]>

   Specifies the instance of the NAT64 which is being configured.

-OutboundInterface <String[]>

   Sets the interface on which the NAT64 sends the translated IPv4 traffic.

-PassThru [<SwitchParameter>]

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

   default, this cmdlet does not generate any output.

-PolicyStore <PolicyStore[]>

   Specifies to which policy store the NAT64 configuration is applied. The

   acceptable values for this parameter are: Persistent and Active. If this

   parameter is not specified, then the cmdlet operates on both active and

   persistent stores.

-PrefixMapping <String[]>

   Sets the list of IPv6 address ranges to be translated by the NAT64. The

   format is a comma-separated list of <IPv6 prefix,IPv4 subnet>. Such as

   `"69:FF9B::/96,0.0.0.0/0","66:FF9B::/96,192.2.0.0/8"`.

-State <State>

   Sets the enabled state of the NAT64 configuration.

-TcpMappingTimeoutSeconds <UInt32>

Specifies the lifetime for a TCP mapping after which it is released by the

NAT64. The minimum value is 1800 seconds.

The default value is 7200 seconds.

-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 the NAT64 configuration ------------

PS C:\>$nat64Prefix = "2009:1:2:3:4:5::/96"

PS C:\> $prefixMapping = "$nat64Prefix,0.0.0.0/0"

PS C:\> $portPool = "33.0.0.1,6000-10000"

PS C:\> Set-NetNatTransitionConfiguration -InstanceName "NAT64"

OutboundInterface "corpnet" -PrefixMapping $prefixMapping -IPv4AddressPortPool

$portPool

This command sets the NAT64 configuration for the instance named NAT64.

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

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

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

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