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PowerShell Get-Help on command 'New-NetNatTransitionConfiguration'

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

NAME

New-NetNatTransitionConfiguration

SYNOPSIS

Creates an instance of the NAT64 and its associated configuration on a computer.

SYNTAX

New-NetNatTransitionConfiguration [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-IPv4AddressPortPool <String[]>] [-InboundInterface <String[]>] -InstanceName <String> [-OutboundInterface <String[]>] [-PolicyStore {PersistentStore | ActiveStore}] [-PrefixMapping <String[]>] [-State {Disabled | Enabled}] [-TcpMappingTimeoutSeconds <UInt32>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-NetNatTransitionConfiguration cmdlet creates the NAT64 instance and the associated configuration on a computer.

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.

-IPv4AddressPortPool <String[]>

Specifies the list of IPv4 address and port ranges to be used by NAT64 for creating the mappings from IPv6 source address to 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.

-InstanceName <String>

Specifies the instance of the NAT64 which is being created.

-OutboundInterface <String[]>

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

-PolicyStore <PolicyStore>

Specifies to which policy store the NAT64 configuration is applied. The acceptable values for this parameter are:

- PersistentStore

- ActiveStore

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: Create a 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:\> New-NetNatTransitionConfiguration -InstanceName "NAT64"
-OutboundInterface "corpnet" -PrefixMapping $prefixMapping
-IPv4AddressPortPool $portPool
```

These commands create a NAT64 configuration for the instance named NAT64.

REMARKS
To see the examples, type: "get-help New-NetNatTransitionConfiguration
-examples".
For more information, type: "get-help New-NetNatTransitionConfiguration
-detailed".
For technical information, type: "get-help New-NetNatTransitionConfiguration
-full".
For online help, type: "get-help New-NetNatTransitionConfiguration -online"