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PowerShell

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PowerShell Get-Help on command 'Set-DnsClientNrptRule'

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

NAME

Set-DnsClientNrptRule

SYNOPSIS

Modifies a DNS client Name Resolution Policy Table (NRPT) rule for the specified namespace.

SYNTAX

```
Set-DnsClientNrptRule [-Name] <String> [-AsJob] [-CimSession <CimSession[]>]
[-Comment <String>] [-Confirm] [-DAEnable <Boolean>] [-DAIPsecEncryptionType {
| None | Low | Medium | High}] [-DAIPsecRequired <Boolean>] [-DANameServers
<String[]>] [-DAProxyServerName <String>] [-DAProxyType { | NoProxy |
UseDefault | UseProxyName}] [-DisplayName <String>] [-DnsSecEnable <Boolean>]
[-DnsSecIPsecEncryptionType { | None | Low | Medium | High}]
[-DnsSecIPsecRequired <Boolean>] [-DnsSecValidationRequired <Boolean>]
[-GpoName <String>] [-IPsecTrustAuthority <String>] [-NameEncoding {Disable |
Utf8WithMapping | Utf8WithoutMapping | Punycode}] [-NameServers <String[]>]
[-Namespace <String[]>] [-PassThru] [-Server <String>] [-ThrottleLimit
<Int32>] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-DnsClientNrptRule cmdlet modifies the specified DNS client Name Resolution Policy Table (NRPT) rule.

PARAMETERS

-AsJob [<SwitchParameter>]

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

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see about_Jobs (<https://go.microsoft.com/fwlink/?LinkID=113251>).

-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.

-Comment <String>

Stores administrator comments.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-DAEnable <Boolean>

Indicates the rule state for DirectAccess (DA).

-DAIPsecEncryptionType <String>

Specifies the IPsec encryption type for DA. The acceptable values for this parameter are:

- None

- Low

- Medium

- High

-DAIPsecRequired <Boolean>

Indicates whether IPsec is required.

-DANameServers <String[]>

Specifies the DNS servers which will be queried when DA is enabled.

-DAProxyServerName <String>

Specifies the proxy server to be used when connecting to the Internet.

This parameter is only applicable when the DAProxyType parameter is set to UseProxyName.

-DAProxyType <String>

Specifies the proxy server type to be used when connecting to the Internet. The acceptable values for this parameter are:

- NoProxy

- UseDefault

- UseProxyName

-DisplayName <String>

Specifies an optional friendly name for the NRPT rule.

-DnsSecEnable <Boolean>

Indicates whether DNSSEC is enabled on the rule.

-DnsSecIPsecEncryptionType <String>

Specifies the IPsec tunnel encryption settings. The acceptable values for this parameter are:

- None

- Low

- Medium

- High

-DnsSecIPsecRequired <Boolean>

Indicates that the DNS client must set up an IPsec connection to the DNS server.

-DnsSecValidationRequired <Boolean>

Indicates that DNSSEC validation is required.

-GpoName <String>

Specifies the name of the Group Policy Object (GPO).

- If this parameter and the Server parameter are specified, then the NRPT

rule is added in the GPO of domain. The Server parameter specifies the domain controller (DC). - If neither this parameter nor the Server parameter is specified, then the NRPT rule is added for local client computer. - If this parameter is specified and the Server parameter is not specified, then the DC of the domain specified by this parameter value is found and NRPT rule is added to the GPO. - If this parameter is not specified and the Server parameter is specified, then an error is displayed.

-IPsecTrustAuthority <String>

Specifies the Certification Authority (CA) to validate the IPsec channel for DA.

-Name <String>

Specifies the name which uniquely identifies a rule.

-NameEncoding <String>

Specifies the encoding format for host names in the DNS query. The acceptable values for this parameter are:

- Disable

- Utf8WithMapping

- Utf8WithoutMapping

- Punycode

-NameServers <String[]>

Specifies the DNS servers to which the DNS query is sent when DA is disabled.

-Namespace <String[]>

Specifies the DNS namespace. The acceptable values for this parameter are:

- Suffix
- Prefix
- FQDN
- Subnet
- Any

If this parameter is set to Any, then the parameter value must be specified in dot-notation.

-PassThru [<SwitchParameter>]

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

-Server <String>

Specifies the server hosting the GPO. This parameter is only applicable with the GpoName parameter.

-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 PowerShell 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 an NRPT rule -----

```
PS C:\> Set-DnsClientNrptRule -DAEnable $True -DAIPsecEncryptionType "High"
-DAIPsecRequired $True -DANameServers "10.0.0.1" -DAProxyServerName
"DaServer.com:6666" -DAProxyType "UseProxyName" -DisplayName "Sample"
-PassThru -IPsecTrustAuthority "RootCA" -Name
"{1326d9d0-4fb5-4fed-9f67-f53637b85010}" -NameEncoding "Punycode" -NameServers
"10.0.0.1" -Namespace "dnsnrpt.com" -Server "host1.com" -Comment "Sample NRPT
Rule" -DnsSecEnable $True -DnsSecIPsecEncryptionType "Medium"
-DnsSecIPsecRequired $True -DnsSecValidationRequired $True -GpoName "TestGPO"
```

This example modifies an NRPT rule for a GPO named TestGPO on the server named host1.com for namespace dnsnrpt.com.

REMARKS

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

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

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

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