



python



PowerShell

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PowerShell Get-Help on command 'Get-DnsClientNrptPolicy'

PS C:\Users\wahid> Get-Help Get-DnsClientNrptPolicy

NAME

Get-DnsClientNrptPolicy

SYNOPSIS

Gets the NRPT configured on a computer.

SYNTAX

```
Get-DnsClientNrptPolicy [[-Namespace] <String>] [-AsJob] [-CimSession  
<CimSession[]>] [-Effective] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-DnsClientNrptPolicy cmdlet gets the following Name Resolution Policy Table (NRPT) details for each namespace.

- DNS client name resolution fallback policy.
- DNS client secure name query fallback setting.
- Direct Access (DA) IPsec Certification Authority (CA) restriction setting.

- DA proxy name setting.
- DA DNS servers setting.
- DA enabled setting.
- DA proxy type setting.
- DA Query IPsec encryption setting.
- DA Query IPsec required setting.
- DNS client name servers setting.
- DNS security IPsec CA restriction setting.
- DNS security query IPsec encryption setting.
- DNS security query IPsec required setting.
- DNS security validation required setting.
- DNS client name encoding setting.

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.

`-Effective [<SwitchParameter>]`

Indicates that the effective NRPT policy is returned.

`-Namespace <String>`

Specifies the DNS namespace for which the policy is retrieved.

`-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.

`<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: Get the NRPT policy -----

PS C:\> Get-DnsClientNrptPolicy

Namespace : nls.corp.contoso.com

QueryPolicy :

SecureNameQueryFallback :

DirectAccessIPsecCARestriction :

DirectAccessProxyName :

DirectAccessDnsServers :

DirectAccessEnabled :

DirectAccessProxyType : UseDefault

DirectAccessQueryIPsecEncryption :

DirectAccessQueryIPsecRequired : False

NameServers :

DnsSecIPsecCARestriction :

DnsSecQueryIPsecEncryption :

DnsSecQueryIPsecRequired : False

DnsSecValidationRequired : False

NameEncoding : Utf8WithoutMapping

Namespace : .corp.contoso.com

QueryPolicy :

SecureNameQueryFallback :

DirectAccessIPsecCARestriction :

DirectAccessProxyName :

DirectAccessDnsServers : {2001:db8:1::2, 2001:db8:2::20,
2001:db8:6::6}

DirectAccessEnabled :

DirectAccessProxyType : NoProxy

DirectAccessQueryIPsecEncryption :

DirectAccessQueryIPsecRequired : False

NameServers :
DnsSecIPsecCARestriction :
DnsSecQueryIPsecEncryption :
DnsSecQueryIPsecRequired : False
DnsSecValidationRequired : False
NameEncoding : Utf8WithoutMapping

This example gets the NRPT policy on a computer.

----- Example 2: Get the effective NRPT policy -----

PS C:\> Get-DnsClientNrptPolicy -Effective

Namespace : nls.corp.contoso.com
QueryPolicy : QueryIPv6Only
SecureNameQueryFallback : FallbackPrivate
DirectAccessIPsecCARestriction :
DirectAccessProxyName :
DirectAccessDnsServers :
DirectAccessEnabled : True
DirectAccessProxyType : UseDefault
DirectAccessQueryIPsecEncryption :
DirectAccessQueryIPsecRequired : False
NameServers :
DnsSecIPsecCARestriction :
DnsSecQueryIPsecEncryption :
DnsSecQueryIPsecRequired :
DnsSecValidationRequired :
NameEncoding :

Namespace : .corp.contoso.com
QueryPolicy : QueryIPv6Only
SecureNameQueryFallback : FallbackPrivate
DirectAccessIPsecCARestriction :

DirectAccessProxyName :
DirectAccessDnsServers : {2001:db8:1::2, 2001:db8:2::20,
2001:db8:6::6}
DirectAccessEnabled : True
DirectAccessProxyType : NoProxy
DirectAccessQueryIPsecEncryption :
DirectAccessQueryIPsecRequired : False
NameServers :
DnsSecIPsecCARestriction :
DnsSecQueryIPsecEncryption :
DnsSecQueryIPsecRequired :
DnsSecValidationRequired :
NameEncoding :

This example gets the effective NRPT policy on a computer.

Example 3: Get the effective NRPT policy for a specified namespace

```
PS C:\> Get-DnsClientNrptPolicy -Effective -Namespace "nls.corp.contoso.com"
```

Namespace : nls.corp.contoso.com
QueryPolicy : QueryIPv6Only
SecureNameQueryFallback : FallbackPrivate
DirectAccessIPsecCARestriction :
DirectAccessProxyName :
DirectAccessDnsServers :
DirectAccessEnabled : True
DirectAccessProxyType : UseDefault
DirectAccessQueryIPsecEncryption :
DirectAccessQueryIPsecRequired : False
NameServers :
DnsSecIPsecCARestriction :
DnsSecQueryIPsecEncryption :
DnsSecQueryIPsecRequired :

DnsSecValidationRequired :

NameEncoding :

This example gets an effective NRPT policy for the namespace
nls.corp.contoso.com.

REMARKS

To see the examples, type: "get-help Get-DnsClientNrptPolicy -examples".

For more information, type: "get-help Get-DnsClientNrptPolicy -detailed".

For technical information, type: "get-help Get-DnsClientNrptPolicy -full".

For online help, type: "get-help Get-DnsClientNrptPolicy -online"