



Windows PowerShell Get-Help on Cmdlet 'Add-DnsClientDohServerAddress'

PS:\>Get-HELP Add-DnsClientDohServerAddress -Full

NAME

Add-DnsClientDohServerAddress

SYNOPSIS

Adds a DoH server configuration to the supported DoH servers.

SYNTAX

```
Add-DnsClientDohServerAddress [-ServerAddress] <String> [[-DohTemplate] <String>] [[-AllowFallbackToUdp]
<Boolean>] [[-AutoUpgrade] <Boolean>] [-AsJob] [-CimSession
<CimSession[]>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Add-DnsClientDohServerAddress cmdlet adds a DNS-over-HTTPS (DoH) server configuration to the supported DoH servers.

PARAMETERS

-AllowFallbackToUdp <Boolean>

Specifies whether to allow fallback to unencrypted DNS if the DoH query to the server fails. This parameter applies only if AutoUpgrade is `True`. The default is `False`.

Required?	false
Position?	2
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

`-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>).

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

`-AutoUpgrade <Boolean>`

Specifies whether to encrypt all name resolutions to this server using the DoH settings. The upgrade occurs if the server is configured on an adapter or if it is part of a Name Resolution Policy Table (NRPT) rule. The default is `False`.

Required?	false
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Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)
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

-DohTemplate <String>

Specifies a valid URI template used to connect to the DoH server.

Required? false
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ServerAddress <String>

Specifies the IP address of the DoH server.

Required? true
Position? 0
Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

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 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.

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

-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

System.String

System.Boolean

OUTPUTS

System.Object

NOTES

----- Example 1: Add a DoH server -----

```
Add-DnsClientDohServerAddress -ServerAddress 10.23.1.1 -DohTemplate https://adatum.com/dns-query
```

This example adds 10.23.1.1 to the system DoH list with the specified URI template.

----- Example 2: Add a DoH server with automatic upgrade -----

-AllowFallbackToUdp \$True -AutoUpgrade \$True

This example adds 10.23.1.1 to the system DoH list with the specified URI template. The command upgrades any resolutions to 10.23.1.1 to DoH. If the encrypted name resolution fails, the command allows fallback to unencrypted DNS.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/dnsclient/add-dnsclientdohserveraddress?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Add-DnsClientNrptRule

Get-DnsClientDohServerAddress

Remove-DnsClientDohServerAddress

Set-DnsClientDohServerAddress