



Windows PowerShell Get-Help on Cmdlet 'Set-DnsClientGlobalSetting'

PS:\>Get-HELP Set-DnsClientGlobalSetting -Full

NAME

Set-DnsClientGlobalSetting

SYNOPSIS

Sets the DNS client global, non-interface specific, settings.

SYNTAX

```
Set-DnsClientGlobalSetting [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DevolutionLevel <UInt32>] [-InputObject  
<CimInstance[]>] [-PassThru] [-SuffixSearchList  
<String[]>] [-ThrottleLimit <Int32>] [-UseDevolution <Boolean>] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-DnsClientGlobalSettings cmdlet sets the global DNS client settings that are global, that are not associated with a specific interface. These settings affect

the behavior of the DNS client across all interfaces.

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>).

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

-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

-DevolutionLevel <UInt32>

Specifies the number of labels up to which devolution should occur. If this parameter is not specified, then the FRD algorithm is used. If this parameter is configured, then devolution occurs until the specified level. This parameter value cannot be set if the devolution level setting is already deployed through Group Policy.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-InputObject <CimInstance[]>

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-PassThru [<SwitchParameter>]

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

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

-SuffixSearchList <String[]>

Specifies a list of global suffixes that can be used in the specified order by the DNS client for resolving the IP address of the computer name. These suffixes are appended in the specified order to resolve the computer name that is specified. This parameter value cannot be set if the suffix search list setting is already deployed through Group Policy.

Required? false
Position? named
Default value None
Accept pipeline input? False
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

-UseDevolution <Boolean>

Indicates whether devolution is activated. With devolution, the DNS resolver creates new FQDNs by appending the

single-label, unqualified domain name with the

parent suffix of the primary DNS suffix name, and the parent of that suffix, and so on, stopping if the name is successfully resolved or at a level specified in

the DevolutionLevel parameter. Devolution works by removing the left-most label and continuing to get to the parent suffix. The default value is \$True. This

parameter value cannot be set if the devolution level setting is already deployed through Group Policy.

Required?	false
Position?	named
Default value	None
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

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_DNSClientGlobalSetting

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_DNSClientGlobalSetting

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

The MSFT_DNSClientGlobalSetting class has the various global settings for the DNS client. Global settings include non-interface specific settings.

NOTES

----- Example 1: Set the DNS suffix search list -----

```
PS C:\> Set-DnsClientGlobalSetting -SuffixSearchList @("corp.contoso.com", "na.corp.contoso.com")
```

This example sets the DNS suffix search list on the computer.

RELATED LINKS

Online

Version:

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

Get-DnsClientGlobalSetting