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

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

NAME

    Set-DnsClientServerAddress

SYNOPSIS

    Sets DNS server addresses associated with the TCP/IP properties on an interface.

SYNTAX

        Set-DnsClientServerAddress [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]>
[-PassThru] [-ResetServerAddresses] [-ServerAddresses

    <String[]>] [-ThrottleLimit <Int32>] [-Validate] [-WhatIf] [<CommonParameters>]

    Set-DnsClientServerAddress [-InterfaceAlias] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru]
[-ResetServerAddresses] [-ServerAddresses

    <String[]>] [-ThrottleLimit <Int32>] [-Validate] [-WhatIf] [<CommonParameters>]

    Set-DnsClientServerAddress [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InterfaceIndex <UInt32[]> [-PassThru]
[-ResetServerAddresses] [-ServerAddresses

    <String[]>] [-ThrottleLimit <Int32>] [-Validate] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-DnsClientServerAddress cmdlet sets one or more IP addresses for DNS servers associated with an interface. This cmdlet statically adds DNS server addresses to

the interface. If this cmdlet is used to add DNS servers to the interface, then the DNS servers will override any DHCP configuration for that interface.

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

-InputObject <CimInstance[]>

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

    Required?   true

    Position?   named

    Default value   None

    Accept pipeline input?   True (ByValue)

    Accept wildcard characters? false

-InterfaceAlias <String[]>

    Specifies the friendly name of the interface.

    Required?   true

    Position?   0

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-InterfaceIndex <UInt32[]>

Specifies the index number of the interface.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName, 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

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-ResetServerAddresses [<SwitchParameter>]

Resets the DNS server IP addresses to the default value.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-ServerAddresses <String[]>

Specifies a list of DNS server IP addresses to set for the interface.

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 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.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Validate [<SwitchParameter>]

Validates that one or more IP addresses are responsive DNS servers before the IP addresses are set to the interface. This parameter must be used with the

ServerAddress parameter.

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

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

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.

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

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.

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

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.

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

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_DNSClientServerAddress

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_DNSClientServerAddress class has the various DNS server IP addresses configured on a given interface. If no interface is specified, then all interfaces

are configured.

NOTES

Example 1: Set the DNS server addresses on an interface with a specified index value

PS C:\> Set-DnsClientServerAddress -InterfaceIndex 12 -ServerAddresses ("10.0.0.1","10.0.0.2")

This example sets the DNS server addresses on a specified interface with the index value of 12.

Example 2: Reset a DNS client to use the default DNS server addresses

PS C:\> Set-DnsClientServerAddress -InterfaceIndex 12 -ResetServerAddresses

This example resets the DNS client to use the default DNS server addresses specified by DHCP on the interface with an index value of 12.

RELATED LINKS

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

Get-DnsClientServerAddress