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

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

NAME

Set-NetAdapterAdvancedProperty

SYNOPSIS

Sets the advanced properties of a network adapter.

SYNTAX

Set-NetAdapterAdvancedProperty [[-Name] <String[]>] [-AllProperties] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DisplayName <String[]>] [-DisplayValue

<String>] [-IncludeHidden] [-NoRestart] [-PassThru] [-RegistryKeyword <String[]>] [-RegistryValue <String[]>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Set-NetAdapterAdvancedProperty [-AllProperties] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DisplayName <String[]>] [-DisplayValue <String>] [-IncludeHidden]

-InterfaceDescription <String[]> [-NoRestart] [-PassThru] [-RegistryKeyword <String[]>] [-RegistryValue <String[]>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-NetAdapterAdvancedProperty [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DisplayValue <String>]

-InputObject <CimInstance[]> [-NoRestart] [-PassThru]

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

DESCRIPTION

The Set-NetAdapterAdvancedProperty cmdlet sets the advanced properties of a network adapter. Changes are made directly into the registry for the computer. Many of the

common advanced properties can be controlled through a cmdlet, such as the Set-NetAdapterRss or Set-NetAdapterLso cmdlets.

PARAMETERS

-AllProperties [<SwitchParameter>]

Indicates that the cmdlet gets all the advanced properties of a network adapter. If this parameter is not specified, then only advanced properties that are

specified in the DisplayName parameter are returned.

Required? false

Position? named

Default value False

Accept pipeline input? False

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 PowerShellr

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

-DisplayName <String[]>

Specifies the display name of the advanced property as an array. This parameter is normally used in conjunction with the DisplayValue parameter.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DisplayValue <String>

Specifies the new value of the advanced property named with the DisplayName parameter.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IncludeHidden [<SwitchParameter>]

Indicates that the cmdlet includes both visible and hidden network adapters in the operation. By default only visible network adapters are included. If a wildcard

character is used in identifying a network adapter and this parameter has been specified, then the wildcard string is matched against both hidden and visible

network adapters.

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

-InterfaceDescription <String[]>

Specifies an array of network adapter interface descriptions. For a physical network adapter this is typically the name of the vendor of the network adapter

followed by a part number and description, such as `Contoso 12345 Gigabit Network Device`.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <String[]>

Specifies an array of network adapter names.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-NoRestart [<SwitchParameter>]

Indicates that the cmdlet does not restart the network adapter after completing the operation. Many advanced properties require restarting the network adapter

before the new settings take effect.

Required? false

Position? named

Default value False

Accept pipeline input? False

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

-RegistryKeyword <String[]>

Specifies the name of the registry keyword as an array that this cmdlet sets. This parameter is normally used in conjunction with the RegistryValue parameter.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-RegistryValue <String[]>

Specifies the value of the advanced property as an array named in the RegistryKeyword parameter.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-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_NetAdapterAdvancedPropertySettingData

[]

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_NetAdapterAdvancedPropertySettingData

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.

NOTES

Example 1: Set the value of an advanced property on the specified network adapter

PS C:\> Set-NetAdapterAdvancedProperty -Name "MyAdapter" -DisplayName "Flow Control" -DisplayValue "Rx and Tx Enabled"

This command sets the value of the Flow Control advanced property on the network adapter named MyAdapter.

Example 2: Set the value of an registry value on the specified network adapter

PS C:\> Set-NetAdapterAdvancedProperty -Name "MyAdapter" -RegistryKeyword "*Flo*rol" -RegistryValue 0

This command sets the value of the Flow Control registry value on the network adapter named MyAdapter using wildcard characters in the keyword name.

RELATED LINKS

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

Get-NetAdapterAdvancedProperty

New-NetAdapterAdvancedProperty

Remove-NetAdapterAdvancedProperty

Reset-NetAdapterAdvancedProperty

Set-NetAdapterLso

Set-NetAdapterRss