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PowerShell Get-Help on command 'New-NetAdapterAdvancedProperty'

PS C:\Users\wahid> Get-Help New-NetAdapterAdvancedProperty

NAME

New-NetAdapterAdvancedProperty

SYNOPSIS

Creates an advanced property for the network adapter.

SYNTAX

New-NetAdapterAdvancedProperty [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] [-IncludeHidden] -InterfaceDescription <String> [-NoRestart]
[-RegistryDataType {None | REG_SZ | REG_DWORD | REG_MULTI_SZ | REG_QWORD}]
-RegistryKeyword <String> -RegistryValue <String[]> [-ThrottleLimit <Int32>]
[-WhatIf] [<CommonParameters>]

New-NetAdapterAdvancedProperty [-Name] <String> [-AsJob] [-CimSession
<CimSession[]>] [-Confirm] [-IncludeHidden] [-NoRestart] [-RegistryDataType
{None | REG_SZ | REG_DWORD | REG_MULTI_SZ | REG_QWORD}] -RegistryKeyword
<String> -RegistryValue <String[]> [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]

DESCRIPTION

The New-NetAdapterAdvancedProperty cmdlet creates an advanced property for the network adapter. The intention is that network adapter manufacturers can use this cmdlet to manage advanced properties that are not directly supported by Windows Serverr 2012 and later. This cmdlet is the cmdlet in the network adapter family that creates a registry key. All other cmdlets read or modify existing registry entries. The use of wildcards in the network adapter identifier, either in the Name or InterfaceDescription parameters, is not supported.

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 PowerShellr 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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-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.

-InterfaceDescription <String>

Specifies the network adapter interface description. 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`.

-Name <String>

Specifies the name of the network adapter.

-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.

-RegistryDataType <RegDataType>

Specifies the type of the value data to be set in the registry. The acceptable values for this parameter are:

- None

- REG_SZ

- REG_DWORD

- REG_QWORD

- REG_MULTI_SZ

-RegistryKeyword <String>

Specifies the name of the registry keyword that this cmdlet creates.

-RegistryValue <String[]>

Specifies the value of the advanced property as an array.

-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.

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

<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: Create an advanced property on the specified network adapter

PS C:\> New-NetAdapterAdvancedProperty -Name "MyAdapter" -RegistryKeyword "MyKeyword" -RegistryValue "1" -RegistryDataType REG_SZ

This command creates an advanced property on the network adapter named MyAdapter with the registry keyword MyKeyword of type REG_SZ with the value 1.

Example 2: Create an advanced property on the specified network adapter that does not restart

PS C:\> New-NetAdapterAdvancedProperty -Name "MyAdapter" -RegistryKeyword "MyKeyword" -RegistryValue "1" -RegistryDataType REG_SZ -NoRestart

This command creates an advanced property on the network adapter named MyAdapter with the registry keyword MyKeyword of type REG_SZ with the value 1 and the network adapter is specified to not restart. Many advanced properties require restarting the network adapter before the new settings take effect.

Example 3: Create an advanced property on the specified network adapter

PS C:\> $NetworkAdapter3 = Get-NetAdapter -Name "Ethernet 3"
PS C:\> New-NetAdapterAdvancedProperty -InputObject $NetworkAdapter3 -RegistryKeyword "MyKeyword" -RegistryValue "1" -RegistryDataType REG_SZ

This command is a version of the cmdlet that creates an advanced property on the network adapter named Ethernet 3 using wildcard characters and the pipeline. Use of wildcard characters is not allowed for the network adapter identifier as part of this cmdlet, but can be used via the pipeline.

PS C:\> Get-NetAdapter -Name "Ethernet 3" | New-NetAdapterAdvancedProperty -RegistryKeyword "MyKeyword" -RegistryValue "1" -RegistryDataType REG_SZ

The first command gets the network adapter named Ethernet 3 and stores the result in the variable named $NetworkAdapter3.

The second command creates an advanced property for the network adapter stored in the $NetworkAdapter3 variable as registry value 1 for the keyword named MyKeyword.

REMARKS

To see the examples, type: "get-help New-NetAdapterAdvancedProperty -examples".
For more information, type: "get-help New-NetAdapterAdvancedProperty -detailed".
For technical information, type: "get-help New-NetAdapterAdvancedProperty -full".

For online help, type: "get-help New-NetAdapterAdvancedProperty -online"