Windows PowerShell Get-Help on Cmdlet 'Get-NetAdapterVmq'

PS:\>Get-HELP Get-NetAdapterVmq -Full

NAME

  Get-NetAdapterVmq

SYNOPSIS

  Gets the VMQ properties of a network adapter.

SYNTAX

    Get-NetAdapterVmq [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden] -InterfaceDescription <String[]>
[-ThrottleLimit <Int32>] [<CommonParameters>]

  Get-NetAdapterVmq [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden] [-ThrottleLimit <Int32>]
[<CommonParameters>]

DESCRIPTION

    The Get-NetAdapterVmq cmdlet gets the virtual machine queue (VMQ) properties of VMQ-capable network adapters.
VMQ is a scaling networking technology for vmswitch that

  hashes incoming packets based on the destination MAC address.

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).

      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

  -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
```

-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?     True (ByPropertyName)
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
```

-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

<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

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_NetAdapterVmqSettingData

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: Get VMQ properties from the specified network adapter

PS C:\> Get-NetAdapterVmq -Name "GuestTrafficAdapter"

This command gets the VMQ properties of the network adapter named GuestTrafficAdapter.

Example 2: Get all VMQ properties from the specified network adapter

PS C:\> Get-NetAdapterVmq -Name "GuestTrafficAdapter" | Format-List -Property "*"

This command displays all of the VMQ properties of the network adapter named GuestTrafficAdapter.

Example 3: Get all VMQ capable network adapters where VMQ is enabled

PS C:\> Get-NetAdapterVmq -Name "*" | Where-Object -FilterScript { $_.Enabled }

This command gets all of the VMQ-capable network adapters where VMQ is enabled.

RELATED LINKS

Online   Version:
https://learn.microsoft.com/powershell/module/netadapter/get-netadaptervmq?view=windowsserver2022-ps&wt.mc_id=ps-g

ethelp

Disable-NetAdapterVmq

Enable-NetAdapterVmq

Get-NetAdapterVmqQueue

Set-NetAdapterVmq