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PowerShell Get-Help on command 'Get-NetAdapterRdma'

PS C:\Users\wahid> Get-Help Get-NetAdapterRdma

NAME

Get-NetAdapterRdma

SYNOPSIS

Gets the RDMA properties for a network adapter.

SYNTAX

Get-NetAdapterRdma [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden]

-InterfaceDescription <String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterRdma [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>]

[-IncludeHidden] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-NetAdapterRdma cmdlet gets the remote direct memory access (RDMA)

properties of an RDMA-capable network adapter. RDMA is a feature that enables

network adapters to transfer data directly between each other without

requiring the main processor of the system to be part of that transfer. This

results in lower latency and lower processor utilization.

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.

-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 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`.

-Name <String[]>

Specifies an array network adapter names.

-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.

<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: Get RDMA properties from the specified network adapter

PS C:\> Get-NetAdapterRdma -Name "MyAdapter"

This command gets the RDMA properties from the network adapter named MyAdapter.

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

PS C:\> Get-NetAdapterRdma -Name "MyAdapter" | Format-List -Property "*"

This command displays all the RDMA properties from the adapter named MyAdapter.

Example 3: Get all RDMA capable network adapters that have RDMA enabled

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

This command gets all RDMA capable network adapters with RDMA enabled.

REMARKS

To see the examples, type: "get-help Get-NetAdapterRdma -examples".

For more information, type: "get-help Get-NetAdapterRdma -detailed".

For technical information, type: "get-help Get-NetAdapterRdma -full".

For online help, type: "get-help Get-NetAdapterRdma -online"