Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Get-NetAdapterRss'

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

NAME

Get-NetAdapterRss

SYNOPSIS

Gets RSS properties of the network adapter.

SYNTAX

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

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

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

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

DESCRIPTION

The Get-NetAdapterRss cmdlet gets receive side scaling (RSS) properties of the network adapters that support RSS. RSS is a scalability technology that distributes the receive network traffic among multiple processors by hashing the header of the incoming packet and using an indirection table. Without RSS in Windows Serverr 2012 and later, network traffic is received on the first

processor which can quickly reach full utilization limiting receive network throughput. Various properties can be configured to optimize the performance of RSS.

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 of 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 all RSS capable network adapters -------

PS C:\> Get-NetAdapterRss -Name "*"

This example gets all RSS capable network adapters.
Example 2: Get RSS properties for the specified network adapter

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

This example gets the RSS properties of the network adapter named MyAdapter.
Example 3: Display all RSS properties for the specified network adapter

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

This example displays all RSS properties of the network adapter named

MyAdapter.

Example 4: Get all RSS capable network adapters with RSS enabled

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

This example gets all RSS capable network adapters with RSS enabled.

REMARKS

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

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

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

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