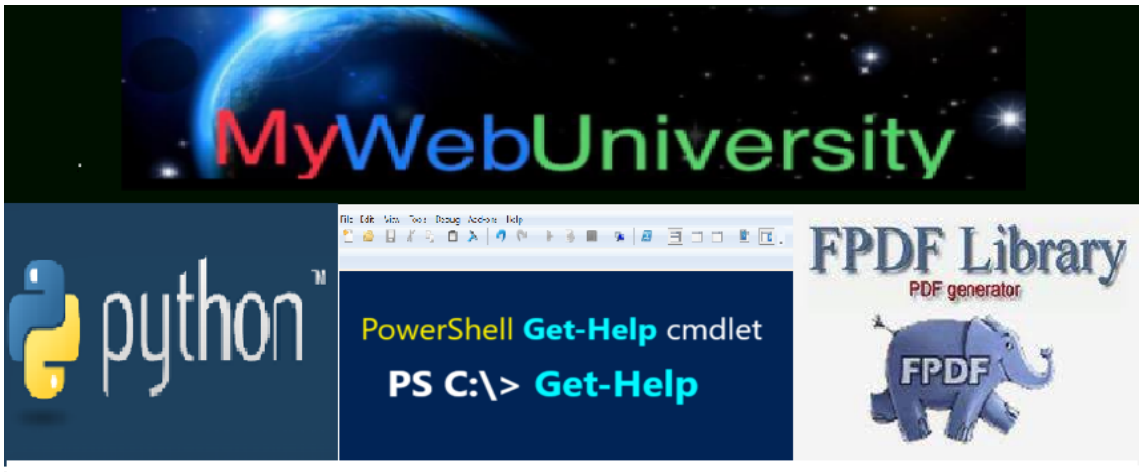

Full credit is given to all the above companies including the Operating System that this PDF file was generated!

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

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

NAME

Set-NetLbfoTeam

SYNOPSIS

Sets parameters on the specified NIC team.

SYNTAX

Set-NetLbfoTeam [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-LacpTimer {Slow | Fast}] [-LoadBalancingAlgorithm {TransportPorts |

IPAddresses | MacAddresses | HyperVPort | Dynamic}] [-PassThru] [-TeamingMode {Static | SwitchIndependent | Lacp}] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-NetLbfoTeam [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-LacpTimer {Slow | Fast}] [-LoadBalancingAlgorithm {TransportPorts | IPAddresses | MacAddresses |

HyperVPort | Dynamic}] [-MemberOfTheTeam <CimInstance>] [-PassThru] [-TeamingMode {Static | SwitchIndependent | Lacp}] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-NetLbfoTeam [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-LacpTimer {Slow | Fast}] [-LoadBalancingAlgorithm {TransportPorts |

IPAddresses | MacAddresses | HyperVPort | Dynamic}] [-PassThru] [-TeamingMode {Static | SwitchIndependent | Lacp}] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-NetLbfoTeam [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-LacpTimer {Slow | Fast}] [-LoadBalancingAlgorithm {TransportPorts | IPAddresses | MacAddresses |

HyperVPort | Dynamic}] [-PassThru] [-TeamNicForTheTeam <CimInstance>] [-TeamingMode {Static | SwitchIndependent | Lacp}] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Set-NetLbfoTeam cmdlet sets the TeamingMode or LoadBalancingAlgorithm parameter on the specified NIC team.

You must have administrator rights to run Set-NetLbfoTeam .

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

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

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-LacpTimer <LacpTimers>

Specifies how often inter-connected devices exchange LACP protocol data units (PDUs) or control messages.

Required? false
Position? named
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-LoadBalancingAlgorithm <LBAlgos>

Specifies the load-balancing algorithm the new team uses to distribute network traffic between the interfaces.

You can specify one of the following load balancing algorithms:

- Dynamic. Uses the source and destination TCP ports and the IP addresses to create a hash for outbound traffic. Moves outbound streams from team member to team member as needed to balance team member utilization. When you specify this algorithm with the TeamingMode parameter and the SwitchIndependent value, inbound traffic is routed to a particular team member.

- TransportPorts. Uses the source and destination TCP ports and the IP addresses to create a hash and then assigns the packets that have the matching hash value to one of the available interfaces. When you specify this algorithm with the TeamingMode parameter and the SwitchIndependent value, all inbound traffic arrives on the primary team member.

- IPAddresses. Uses the source and destination IP addresses to create a hash and then assigns the packets that have the matching hash value to one of the available interfaces. When you specify this algorithm with the TeamingMode parameter and the SwitchIndependent value, all inbound traffic arrives on the primary team member.

- MacAddresses. Uses the source and destination MAC addresses to create a hash and then assigns the packets that have the matching hash value to one of the available interfaces. When you specify this algorithm with the TeamingMode parameter and the SwitchIndependent value, all inbound traffic arrives on the primary team member.

- HyperVPort. Distributes network traffic based on the source virtual machine Hyper-V switch port identifier. When you

specify this algorithm with the TeamingMode

parameter and the SwitchIndependent value, inbound traffic is routed to the same team member as the switch port's outgoing traffic.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MemberOfTheTeam <CimInstance>

Specifies the network adapter name for which to modify the parameters.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <String[]>

Specifies the name of the NIC team to modify.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

-TeamNicForTheTeam <CimInstance>

Specifies the team interface whose associated NIC team is to be modified.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-TeamingMode <TeamingModes>

Specifies the mode of the NIC teaming. You can specify one of the following teaming modes:

- LACP. Requires configuration on both the switch and the host to identify which links form the team. Uses the Link Aggregation Control Protocol (LACP) to

identify links that are connected between the host and a given switch.

- Static. Requires configuration on both the switch and the host to identify which links form the team.

- SwitchIndependent. Specifies that a network switch configuration is not needed for the NIC team. Because the network switch is not configured to know about the

NIC teaming, the team members can be connected to different switches.

Required? false

Position? named

Default value None

Accept pipeline input? False

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

None

This cmdlet takes no input objects.

OUTPUTS

MSFT_NetLbfoTeam

By default, this cmdlet produces no output. If the PassThru parameter is specified, the cmdlet returns the updated MSFT_NetLbfoTeam object.

NOTES

---------- Example 1: Set the teaming mode ----------

PS C:\> Set-NetLbfoTeam -Name "Team1" -TeamingMode LACP

This command sets the teaming mode of the team named Team1 to LACP.

--------- Example 2: Set the load balancing algorithm ---------

PS C:\> Set-NetLbfoTeam -Name "Team1" -LoadBalancingAlgorithm HyperVPort

This command sets the load balancing algorithm of the team named Team1 to HyperVPorts.

- Example 3: Set the teaming mode and load balancing algorithm -

PS C:\> Set-NetLbfoTeam -Name "Team1" -TeamingMode LACP -LoadBalancingAlgorithm HyperVPort

This command sets the teaming mode and load balancing algorithm of the team named Team1 at the same time. The teaming mode is set to LACP and the load balancing

algorithm is set to HyperVPorts.

RELATED LINKS

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

Get-NetLbfoTeam

New-NetLbfoTeam

Rename-NetLbfoTeam

Remove-NetLbfoTeam