



python



PowerShell

FPDF Library  
PDF generator

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

### **PowerShell Get-Help on command 'Set-NetLbfoTeam'**

**PS C:\Users\wahid> Get-Help Set-NetLbfoTeam**

#### 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.

`-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.

-InputObject <CimInstance[]>

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

-LacpTimer <LacpTimers>

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

-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.

-MemberOfTheTeam <CimInstance>

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

-Name <String[]>

Specifies the name of the NIC team to modify.

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

-TeamNicForTheTeam <CimInstance>

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

-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.

-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 PowerShell 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: 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.

#### REMARKS

To see the examples, type: "get-help Set-NetLbfoTeam -examples".

For more information, type: "get-help Set-NetLbfoTeam -detailed".

For technical information, type: "get-help Set-NetLbfoTeam -full".

For online help, type: "get-help Set-NetLbfoTeam -online"