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

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

NAME

Set-NetworkSwitchEthernetPortIPAddress

SYNOPSIS

Sets the IP address on a port on a network switch.

SYNTAX

Set-NetworkSwitchEthernetPortIPAddress -CimSession <CimSession> [-Confirm] -InputObject <CimInstance[]>
-IpAddress <String> -SubnetAddress <String> [-WhatIf]

   [<CommonParameters>]

Set-NetworkSwitchEthernetPortIPAddress -CimSession <CimSession> [-Confirm] -IpAddress <String> -PortNumber
<Int32> -SubnetAddress <String> [-WhatIf]

   [<CommonParameters>]

DESCRIPTION

The Set-NetworkSwitchEthernetPortIPAddress cmdlet sets the IP address of an Ethernet port on a network switch.

PARAMETERS

  -CimSession <CimSession>

      Specifies the CimSession that this cmdlet uses to connect to the network switch. For more information about CimSession objects, type `Get-Help New-CimSession`.

      Required?   true

      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

  -IpAddress <String>

    Specifies an IP address for the Ethernet port.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-PortNumber <Int32>

Specifies a port number. This cmdlet sets the IP address on the port that this parameter specifies.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-SubnetAddress <String>

Specifies a subnet mask for the IP address.

Required?   true

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

Microsoft.Management.Infrastructure.CimInstance[]

You can pipe an array of CimInstance objects that refer to an EthernetPort object.

OUTPUTS

System.Object

NOTES

---------- Example 1: Assign an IP address to a port ----------

PS C:\>$Session = New-CimSession -ComputerName "NetworkSwitch08"

PS C:\> Set-NetworkSwitchEthernetPortIPAddress -IpAddress "10.4.10.12" -PortNumber 21 -SubnetAddress "255.255.255.248" -CimSession $Session

The first command creates a CimSession for a network switch, and then stores it in the $Session variable. For more information about CimSession objects, type

`Get-Help New-CimSession`.

The second command assigns an IP address and subnet address to the specified port by using the $Session object.

RELATED LINKS

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

Remove-NetworkSwitchEthernetPortIPAddress

Get-NetworkSwitchEthernetPort