



python



PowerShell

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### **PowerShell Get-Help on command 'Get-NetworkSwitchEthernetPort'**

**PS C:\Users\wahid> Get-Help Get-NetworkSwitchEthernetPort**

#### NAME

Get-NetworkSwitchEthernetPort

#### SYNOPSIS

Gets port information for a network switch.

#### SYNTAX

Get-NetworkSwitchEthernetPort -CimSession <CimSession> [-DeviceId <String>]  
[<CommonParameters>]

Get-NetworkSwitchEthernetPort -CimSession <CimSession> -FullDuplexDisabled  
[<CommonParameters>]

Get-NetworkSwitchEthernetPort -CimSession <CimSession> -FullDuplexEnabled  
[<CommonParameters>]

Get-NetworkSwitchEthernetPort -CimSession <CimSession> -PortNumber <Int32>  
[<CommonParameters>]

## DESCRIPTION

The `Get-NetworkSwitchEthernetPort` cmdlet gets port information for 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``.

`-DeviceId <String>`

Specifies a device ID. This cmdlet gets information for the port that this parameter specifies.

`-FullDuplexDisabled [<SwitchParameter>]`

Indicates that this cmdlet returns only ports that have `FullDuplex` disabled.

`-FullDuplexEnabled [<SwitchParameter>]`

Indicates that this cmdlet returns only ports that have `FullDuplex` enabled.

`-PortNumber <Int32>`

Specifies a port number. This cmdlet gets the port that the parameter specifies.

`<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 the ports for a device -----

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

```
PS C:\> Get-NetworkSwitchEthernetPort -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 gets the ports for NetworkSwitch08 by using the \$Session object.

----- Example 2: Get a specific port -----

```
PS C:\>Get-NetworkSwitchEthernetPort -PortNumber 21 -CimSession $Session
```

Name	PortNumber	DeviceID	FullDuplex	AutoSense	PortType
Ethernet17	21	Ethernet17	True	False	0

MaxDataSize  
-----  
-----  
9214

This command gets port 21. The example shows the console output for the command. The command includes a CimSession , similar to the first example.

----- Example 3: Get a port with a specified ID -----

```
PS C:\>Get-NetworkSwitchEthernetPort -DeviceID "Ethernet17" -CimSession $Session
```

This command gets the port for the device that has the ID Ethernet17. The command includes a CimSession , similar to the first example.

#### REMARKS

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

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

For technical information, type: "get-help Get-NetworkSwitchEthernetPort

-full".

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