



python



PowerShell

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PowerShell Get-Help on command 'Set-NetworkSwitchPortMode'

PS C:\Users\wahid> Get-Help Set-NetworkSwitchPortMode

NAME

Set-NetworkSwitchPortMode

SYNOPSIS

Sets the port mode on a network switch.

SYNTAX

```
Set-NetworkSwitchPortMode -AccessMode -CimSession <CimSession> [-Confirm]  
-InputObject <CimInstance[]> -VlanID <Int32> [-WhatIf] [<CommonParameters>]
```

```
Set-NetworkSwitchPortMode -CimSession <CimSession> [-Confirm] -InputObject  
<CimInstance[]> -IpAddress <String> -RouteMode -SubnetAddress <String>  
[-WhatIf] [<CommonParameters>]
```

```
Set-NetworkSwitchPortMode -CimSession <CimSession> [-Confirm] -InputObject  
<CimInstance[]> -TrunkMode -VlanIDs <UInt16[]> [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-NetworkSwitchPortMode cmdlet sets the port mode to access, trunk or

route on a network switch.

PARAMETERS

-AccessMode [<SwitchParameter>]

Indicates that this cmdlet sets the port to access mode.

-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``.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-InputObject <CimInstance[]>

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

-IpAddress <String>

Specifies an IP address to set for the port in route mode.

-RouteMode [<SwitchParameter>]

Indicates that this cmdlet sets the port to route mode.

-SubnetAddress <String>

Specifies the subnet mask to set for the port in route mode.

-TrunkMode [<SwitchParameter>]

Indicates that this cmdlet sets the port to trunk mode.

-VlanID <Int32>

Specifies the virtual local area network (VLAN) ID of the VLAN to set for the port in access mode.

-VlanIDs <UInt16[]>

Specifies the VLAN IDs of the VLANs to set for the port in trunk mode.

-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 a port to trunk mode -----

```
PS C:\>$Session = New-CimSession -ComputerName "NetworkSwitch08"
PS C:\> Set-NetworkSwitchPortMode -CimSession $Session -TrunkMode -VlanIDs
2,17,22
```

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 sets NetworkSwitch08 to use trunk mode by using the \$Session object. The command specifies IDs for three VLANs.

----- Example 2: Set a port to route mode -----

```
PS C:\>Set-NetworkSwitchPortMode -CimSession $Session -IpAddress "10.14.1.1"
-RouteMode -SubnetAddress "255.255.0.0"
```

This command sets the port to route mode. The command specifies its IP address and the subnet mask. The command includes a CimSession , similar to the first example.

REMARKS

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

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

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

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