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Windows PowerShell Get-Help on Cmdlet 'Get-NetworkSwitchVlan'

PS:\>Get-HELP Get-NetworkSwitchVlan -Full

NAME

Get-NetworkSwitchVlan

SYNOPSIS

Gets VLANs for a network switch.

SYNTAX

Get-NetworkSwitchVlan -Caption <String> -CimSession <CimSession> [<CommonParameters>]

Get-NetworkSwitchVlan -CimSession <CimSession> -Description <String> [<CommonParameters>]

Get-NetworkSwitchVlan -CimSession <CimSession> -InstanceId <String> [<CommonParameters>]

Get-NetworkSwitchVlan -CimSession <CimSession> [-Name <String>] [<CommonParameters>]

Get-NetworkSwitchVlan -CimSession <CimSession> -VlanId <Int32> [<CommonParameters>]

DESCRIPTION

The Get-NetworkSwitchVlan cmdlet gets available virtual local area networks (VLANs) for a network switch.

PARAMETERS

-Caption <String>

Specifies the caption of a VLAN to get.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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

-Description <String>

Specifies the description of a VLAN to get.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InstanceId <String>

Specifies the instance ID of a VLAN to get.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <String>

Specifies the name of a VLAN to get. This ElementName is a friendly name. It is not necessarily unique.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-VlanId <Int32>

Specifies the VLAN ID of the VLAN to get.

Required? true
Position? named
Default value None
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>).

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#CIM_NetworkVLAN

NOTES

----- Example 1: Get all VLANs for a network switch -----

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

```
PS C:\> Get-NetworkSwitchVlan -CimSession $Session
```

Caption	Description	Name	InstanceId	VlanID	PSComputerName
Vlan_description	default	Contoso:NetworkVL...		1	10.19.246.18
Vlan_description	VLAN0002	Contoso:NetworkVL...		2	10.19.246.18

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 all VLAN for the switch NetworkSwitch08 by using the \$Session object.

----- Example 2: Get a VLAN by using a name -----

```
PS C:\>Get-NetworkSwitchVlan -CimSession $Session -Name "VLAN22"
```

Caption	Description	Name	InstanceId	VlanID	PSComputerName
Vlan_description	VLAN22		Contoso:NetworkVL...	1	10.19.236.49

This command gets the VLAN named VLAN22. The command includes a CimSession , similar to the first example.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/networkswitchmanager/get-networkswitchvlan?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

[Disable-NetworkSwitchVlan](#)

[Enable-NetworkSwitchVlan](#)

[New-NetworkSwitchVlan](#)

[Remove-NetworkSwitchVlan](#)

[Set-NetworkSwitchVlanProperty](#)