PowerShell Get-Help on command 'Get-NetworkSwitchVlan'

PS C:\Users\wahid> Get-Help Get-NetworkSwitchVlan

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.

    -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`.

    -Description <String>

        Specifies the description of a VLAN to get.

    -InstanceId <String>

        Specifies the instance ID of a VLAN to get.

    -Name <String>

        Specifies the name of a VLAN to get. This ElementName is a friendly name.

        It is not necessarily unique.

    -VlanId <Int32>

        Specifies the VLAN ID of the VLAN to get.

    <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 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.

REMARKS

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

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

For technical information, type: "get-help Get-NetworkSwitchVlan -full".

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