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PowerShell Get-Help on command 'Connect-VirtualDisk'

PS C:\Users\wahid> Get-Help Connect-VirtualDisk

NAME

Connect-VirtualDisk

SYNOPSIS

Connects a disconnected virtual disk to the specified computer when using the Windows Storage subsystem.

SYNTAX

```
Connect-VirtualDisk [-FriendlyName] <String[]> [-AsJob] [-CimSession
<CimSession[]>] [-PassThru] [-StorageNodeName <String>] [-ThrottleLimit
<Int32>] [<CommonParameters>]

Connect-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] -InputObject
<CimInstance[]> [-PassThru] [-StorageNodeName <String>] [-ThrottleLimit
<Int32>] [<CommonParameters>]

Connect-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] -Name <String[]>
[-PassThru] [-StorageNodeName <String>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

Connect-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] [-PassThru] [-StorageNodeName <String>] [-ThrottleLimit <Int32>] -UniqueId <String[]> [<CommonParameters>]

DESCRIPTION

The Connect-VirtualDisk cmdlet connects a disconnected virtual disk to the specified computer when using the Windows Storage subsystem.

To connect a virtual disk to a remote computer, from a management node in a subsystem that is registered on the management node, specify the StorageNodeName parameter.

To connect to a virtual disk to a remote computer, use the CimSession parameter, or use the Enter-PSSession or Invoke-Command cmdlets in conjunction with Connect-VirtualDisk .

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession (https://go.microsoft.com/fwlink/p/?LinkId=227967) or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

-FriendlyName <String[]>

Specifies the friendly name of the virtual disk that you want to connect.

-InputObject <CimInstance[]>

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

-Name <String[]>

Specifies the name of the virtual disk that you want to connect.

-PassThru [<SwitchParameter>]

Specifies that the cmdlet should output an object representing a virtual disk. By default, this cmdlet does not generate any output.

-StorageNodeName <String>

Specifies the name of a computer on which to run the cmdlet.

Use this parameter only when you run the cmdlet from a management node to connect a virtual disk to a remote cluster subsystem for the purpose of setting the virtual disk to manual-attach. To set a virtual disk to manual-attach, use the Set-VirtualDisk cmdlet and specify the IsManualAttach parameter.

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of \`0\` is entered, then Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

-UniqueId <String[]>

Specifies the UniqueID of the virtual disk to connect.

<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: Connect a virtual disk to the local computer ---

```
PS C:\>Connect-VirtualDisk -FriendlyName "VirtualDisk1"
```

This example connects the virtual disk named VirtualDisk1 to the local computer.

Example 2: Connect all disconnected virtual disks on a remote server

```
PS C:\>Get-VirtualDisk -CimSession Srv2 | Where-Object -Filter {
$_.OperationalStatus -eq "Detached" } | Connect-VirtualDisk
```

This example uses the Get-VirtualDisk cmdlet to get all virtual disk objects on the computer Srv2 (by using the CimSession parameter). It then pipes the objects to the Where-Object cmdlet to filter out all virtual disks except those with the "Detached" operational status. Finally, it pipes these objects to the Connect-VirtualDisk cmdlet.

Example 3: Connect all disconnected virtual disks on two remote computers by using Invoke-Command

```
PS C:\>Invoke-Command -ComputerName Srv1, Srv2 -ScriptBlock { Get-VirtualDisk
| Where-Object -Filter { $_.OperationalStatus -eq "Detached" } |
Connect-VirtualDisk }
```

This example uses the Invoke-Command cmdlet to run the cmdlets specified in Example 2 (now specified in the ScriptBlock parameter) on multiple remote computers simultaneously, with all processing done in parallel on each computer and only the results being sent back to the local PowerShell session.

Example 4: Connect a virtual disk to a remote computer from a management node

```
PS C:\>Get-StorageSubSystem -FriendlyName "Clustered Storage Spaces on
```

```
Cluster01" | Get-VirtualDisk -FriendlyName "VDisk01" | Connect-VirtualDisk
-StorageNodeName "ClustNode1"
```

This example connects a virtual disk to a remote computer from a management node in a subsystem that is registered on the management node.

REMARKS

To see the examples, type: "get-help Connect-VirtualDisk -examples".

For more information, type: "get-help Connect-VirtualDisk -detailed".

For technical information, type: "get-help Connect-VirtualDisk -full".

For online help, type: "get-help Connect-VirtualDisk -online"