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Windows PowerShell Get-Help on Cmdlet 'Disconnect-VirtualDisk'

PS:>Get-HELP Disconnect-VirtualDisk -Full

NAME

Disconnect-VirtualDisk

SYNOPSIS

Disconnects a virtual disk from the specified computer, revoking access to the virtual disk.

SYNTAX

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

[<CommonParameters>]

```
Disconnect-VirtualDisk [-AsJob] [-CimSession] <CimSession[]> -InputObject <CimInstance[]> [-PassThru]
[-StorageNodeName <String>] [-ThrottleLimit <Int32>]
```

[<CommonParameters>]

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

Disconnect-VirtualDisk [-AsJob] [-CimSession] <CimSession[]> [-PassThru] [-StorageNodeName <String>] [-ThrottleLimit

<Int32>] -UniqueId <String[]> [<CommonParameters>]

DESCRIPTION

The Disconnect-VirtualDisk cmdlet disconnects a virtual disk from the specified computer, revoking access to the virtual disk.

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

PARAMETERS

-AsJob [<SwitchParameter>]

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

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FriendlyName <String[]>

Specifies the friendly name of the virtual disk to disconnect.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-InputObject <CimInstance[]>

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

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <String[]>

Specifies the name of the virtual disk to disconnect.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-StorageNodeName <String>

Specifies the name of a computer. The cmdlet disconnects the virtual disk from the computer that you specify.

Use this parameter only when you run the cmdlet from a management node to disconnect a virtual disk from a remote cluster subsystem.

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

-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 PowerShell 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.

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

-UniqueId <String[]>

Specifies the UniqueID of the virtual disk to disconnect.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)
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>).

INPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_VirtualDisk

You can use the pipeline operator to pass an array of VirtualDisk objects to the InputObject parameter to specify one or more virtual disks to disconnect.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_VirtualDisk

The Disconnect-VirtualDisk cmdlet does not output objects unless you use the PassThru parameter, in which case it outputs objects that represent the virtual disks that you disconnected.

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

---- Example 1: Disconnect a virtual disk by friendly name ----

```
PS C:\>Disconnect-VirtualDisk -FriendlyName VirtualDisk01
```

This example disconnects a virtual disk named VirtualDisk01 from the local machine to prevent further access to the virtual disk.

Example 2: Disconnect a virtual disk from a remote computer from a management node

```
PS C:\>Get-StorageSubSystem -FriendlyName "Clustered Storage Spaces on Cluster01" | Get-VirtualDisk -FriendlyName "VDisk01" | Disconnect-VirtualDisk -StorageNodeName "ClustNode1"
```

This command disconnects a virtual disk from a remote computer from a management node in a subsystem that is registered on the management node.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/storage/Disconnect-VirtualDisk?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

[Connect-VirtualDisk](#)

[Get-VirtualDisk](#)

[Hide-VirtualDisk](#)

[New-VirtualDisk](#)

[Remove-VirtualDisk](#)

[Repair-VirtualDisk](#)

[Resize-VirtualDisk](#)

[Set-VirtualDisk](#)

[Show-VirtualDisk](#)