



Windows PowerShell Get-Help on Cmdlet 'Remove-PhysicalDisk'

PS:\>Get-HELP Remove-PhysicalDisk -Full

NAME

Remove-PhysicalDisk

SYNOPSIS

Removes a physical disk from a specified storage pool.

SYNTAX

```
Remove-PhysicalDisk [-StoragePool] < CimInstance > [-AsJob] [-CimSession < CimSession[] >] [-Confirm] -PhysicalDisks  
< CimInstance[] > [-ThrottleLimit < Int32 >] [-WhatIf]  
[< CommonParameters >]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession < CimSession[] >] [-Confirm] -PhysicalDisks < CimInstance[] >  
-StoragePoolFriendlyName < String > [-ThrottleLimit < Int32 >]  
[-WhatIf] [< CommonParameters >]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession < CimSession[] >] [-Confirm] -PhysicalDisks < CimInstance[] >  
-StoragePoolName < String > [-ThrottleLimit < Int32 >] [-WhatIf]  
[< CommonParameters >]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -PhysicalDisks <CimInstance[]>
-StoragePoolUniqueld <String> [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]
```

```
Remove-PhysicalDisk [-VirtualDisk] <CimInstance> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -PhysicalDisks
<CimInstance[]> [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -PhysicalDisks <CimInstance[]> [-ThrottleLimit
<Int32>] -VirtualDiskFriendlyName <String>
[-WhatIf] [<CommonParameters>]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -PhysicalDisks <CimInstance[]> [-ThrottleLimit
<Int32>] -VirtualDiskName <String> [-WhatIf]
[<CommonParameters>]
```

```
Remove-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -PhysicalDisks <CimInstance[]> [-ThrottleLimit
<Int32>] -VirtualDiskUniqueld <String> [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

The Remove-PhysicalDisk cmdlet removes a physical disk from a specified storage pool.

If sufficient space does not exist in the storage pool to tolerate this removal, then data loss can result (the user is warned about this). If the user configuration allows, then the user should add a replacement physical disk to the pool prior to removal of the old one.

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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

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

-PhysicalDisks <CimInstance[]>

Accepts one or more `PhysicalDisk` objects as input. The `Physical Disk` CIM objects represent the physical disks to be removed from the storage pool.

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

-StoragePool <CimInstance>

Specifies a storage pool as a CimInstance object. The cmdlet removes the physical disk associated with storage pool that you specify. To obtain a storage pool object, use the Get-StoragePool cmdlet.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-StoragePoolFriendlyName <String>

Specifies the friendly name of the storage pool from which to remove the physical disk.

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

-StoragePoolName <String>

Specifies the name of the storage pool from which to remove the physical disk.

Required?	true
Position?	named
Default value	None

Accept pipeline input? False

Accept wildcard characters? false

-StoragePoolUniqueId <String>

Specifies the ID of the storage pool from which to remove the physical disk.

Required? true

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

-VirtualDisk <CimInstance>

Specifies a virtual disk as a CimInstance object. The cmdlet removes the physical disk associated with virtual disk that you specify. To obtain a virtual disk

object, use the Get-VirtualDisk cmdlet.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VirtualDiskFriendlyName <String>

Specifies the friendly name of the virtual disk from which to remove the physical disk.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualDiskName <String>

Specifies the name of the virtual disk from which to remove the physical disk.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualDiskUniqueId <String>

Specifies the ID of the virtual disk from which to remove the physical disk.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?	false
Position?	named
Default value	False
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

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

You can use the pipeline operator to pass an array of MSFT_PhysicalDisk objects to the PhysicalDisks parameter

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

You can use the pipeline operator to pass an MSFT_StoragePool object to the StoragePool parameter.

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

You can use the pipeline operator to pass an MSFT_VirtualDisk object to the VirtualDisk parameter.

OUTPUTS

This cmdlet does not generate output.

NOTES

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

----- EXAMPLE 1 -----

```
PS C:\> $PDToRemove = Get-PhysicalDisk -Friendlyname "PhysicalDisk25"
```

```
PS C:\> Remove-PhysicalDisk -PhysicalDisks $PDToRemove -StoragePoolFriendlyName "DemoPool"
```

This example removes a specific Physical Disk object from the specified storage pool.

RELATED LINKS

Online

Version:

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

Add-PhysicalDisk

Get-PhysicalDisk

Reset-PhysicalDisk

Set-PhysicalDisk

Get-StoragePool

Get-VirtualDisk