PowerShell Get-Help on command 'Remove-PhysicalDisk'

PS C:\Users\wahid> Get-Help Remove-PhysicalDisk

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[]> -StoragePoolUniqueId <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>] -VirtualDiskUniqueId

<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.

-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.

-Confirm [<SwitchParameter>]

   Prompts you for confirmation before running the cmdlet.

-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.

-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.

-StoragePoolFriendlyName <String>

   Specifies the friendly name of the storage pool from which to remove the

   physical disk.

-StoragePoolName <String>

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

   disk.

-StoragePoolUniqueId <String>

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

disk.

-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.

-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.

-VirtualDiskFriendlyName <String>

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

-VirtualDiskName <String>

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

-VirtualDiskUniqueId <String>

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

-WhatIf [<SwitchParameter>]

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

<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 --------------------------

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.

REMARKS

To see the examples, type: "get-help Remove-PhysicalDisk -examples".

For more information, type: "get-help Remove-PhysicalDisk -detailed".

For technical information, type: "get-help Remove-PhysicalDisk -full".

For online help, type: "get-help Remove-PhysicalDisk -online"