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

PS:\>Get-HELP Repair-VirtualDisk -Full

NAME

Repair-VirtualDisk

SYNOPSIS

Performs repairs on a virtual disk that is unhealthy.

SYNTAX

```
Repair-VirtualDisk [-FriendlyName] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Repair-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Repair-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -Name <String[]> [-PassThru] [-ThrottleLimit
<Int32>] [-WhatIf] [<CommonParameters>]
```

```
Repair-VirtualDisk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru] [-ThrottleLimit <Int32>] -Uniqueld
<String[]> [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Repair-VirtualDisk cmdlet performs repairs on a virtual disk that is unhealthy. The actual tasks performed are vendor-specific based on implementation in a Storage Management provider.

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/?LinkId=227967>) or

[Get-CimSession] (<https://go.microsoft.com/fwlink/?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

-FriendlyName <String[]>

Specifies a friendly name for a disk. The friendly name may be defined by a user and is not guaranteed to be unique.

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 an object or setting.

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

-PassThru [<SwitchParameter>]

Sends items from the interactive window down the pipeline as input to other cmdlets. By default, this cmdlet does not generate any output.

To send items from the interactive window down the pipeline, click to select the items and then click OK. Shift-click and Ctrl-click are supported.

Required?	false
Position?	named
Default value	False
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 an ID used to uniquely identify a Disk object in the system. The ID persists through restarts.

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

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>).

INPUTS

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

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

OUTPUTS

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

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

NOTES

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

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

```
PS C:\>Repair-VirtualDisk -FriendlyName Space05
```

This example repairs the virtual disk named Space05 which is currently unhealthy.

----- EXAMPLE 2 -----

```
PS C:\>Get-VirtualDisk | Where-Object -FilterScript {$_.HealthStatus -Eq "Unhealthy"} | Repair-VirtualDisk
```

This example gets all of the unhealthy VirtualDisk objects, and runs repairs on all of them serially.

RELATED LINKS

Online

Version:

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

Where-Object <https://go.microsoft.com/fwlink/p/?LinkID=113423>

Connect-VirtualDisk

Disconnect-VirtualDisk

Get-VirtualDisk

Hide-VirtualDisk

New-VirtualDisk

Remove-VirtualDisk

Resize-VirtualDisk

Set-VirtualDisk

Show-VirtualDisk