



### ***Windows PowerShell Get-Help on Cmdlet 'Get-StorageReliabilityCounter'***

***PS:\>Get-HELP Get-StorageReliabilityCounter -Full***

#### **NAME**

Get-StorageReliabilityCounter

#### **SYNOPSIS**

Gets storage reliability counters.

#### **SYNTAX**

Get-StorageReliabilityCounter [-AsJob] [-CimSession <CimSession[]>] -Disk <CimInstance> [-ThrottleLimit <Int32>]  
[<CommonParameters>]

Get-StorageReliabilityCounter [-AsJob] [-CimSession <CimSession[]>] -PhysicalDisk <CimInstance> [-ThrottleLimit  
<Int32>] [<CommonParameters>]

#### **DESCRIPTION**

The Get-StorageReliabilityCounter cmdlet gets the storage reliability counters for the specified disk or physical disk. These counters include information about such things as the device temperature, errors, wear, and length of time the device has been in use.

## 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

**-Disk** <CimInstance>

Specifies a disk for which to get storage reliability counters.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

#### -PhysicalDisk <CimInstance>

Specifies the physical disk object for which to get storage reliability counters. Enter a PhysicalDisk CIM object.

PhysicalDisk objects represent physical disks attached to a storage subsystem and located in a storage pool.

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

#### <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\_PhysicalDisk

You can pipe an MSFT\_PhysicalDisk object to the PhysicalDisk parameter to get the storage reliability counters for the

specified physical disk.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_Disk

You can pipe an MSFT\_Disk object to the Disk parameter to get the storage reliability counters for the specified disk.

## OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_StorageReliabilityCounter

The Get-StorageReliabilityCounter cmdlet returns a StorageReliabilityCounter object, or an array of StorageReliabilityCounter objects.

## NOTES

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

-- Example 1: Get the counters for a specified physical disk --

```
PS C:\>Get-PhysicalDisk -FriendlyName "PhysicalDisk8" | Get-StorageReliabilityCounter | Format-List
```

ObjectId : {e24dbc00-a448-11e1-a100-806e6f6e6963}:reliabilitycounter

PassThroughClass :

PassThroughIds :

PassThroughNamespace :

PassThroughServer :

UniqueId : {e24dbc00-a448-11e1-a100-806e6f6e6963}:reliabilitycounter

DeviceId : 8

LoadUnloadCycleCount : 224

LoadUnloadCycleCountMax : 300000

ManufactureDate : Year: 2011 Week: 33

PowerOnHours : 0

ReadErrorsCorrected : 0

ReadErrorsTotal : 0  
ReadErrorsUncorrected : 0  
StartStopCycleCount : 80  
StartStopCycleCountMax : 10000  
Temperature : 28  
TemperatureMax : 68  
Wear :  
WriteErrorsCorrected : 0  
WriteErrorsTotal : 0  
WriteErrorsUncorrected : 0  
PSComputerName :

This command gets the physical disk named PhysicalDisk8, and uses the pipeline operator to pass it to Get-StorageReliabilityCounter, which gets all of its storage reliability counters through another pipeline with Format-List.

#### RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/storage/get-storagereliabilitycounter?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/storage/get-storagereliabilitycounter?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Get-Disk

Get-PhysicalDisk