PowerShell Get-Help on command 'Get-StorageReliabilityCounter'

PS C:\Users\wahid> Get-Help Get-StorageReliabilityCounter

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.

-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.

-Disk <CimInstance>

Specifies a disk for which to get storage reliability counters.

-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.

-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.

<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: 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.

REMARKS

To see the examples, type: "get-help Get-StorageReliabilityCounter -examples".

For more information, type: "get-help Get-StorageReliabilityCounter -detailed".

For technical information, type: "get-help Get-StorageReliabilityCounter

-full".

For online help, type: "get-help Get-StorageReliabilityCounter -online"