



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

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

### NAME

Get-OffloadDataTransferSetting

### SYNOPSIS

Returns offloaded data transfer (ODX) settings for the specified subsystem.

### SYNTAX

```
Get-OffloadDataTransferSetting [-AsJob] [-CimSession <CimSession[]>] [-StorageSubSystem <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

### DESCRIPTION

The Get-OffloadDataTransferSetting cmdlet returns offloaded data transfer (ODX) settings for the specified storage subsystem.

Note: This cmdlet does not return settings for storage arrays that use the Storage Management Initiative Specification (SMI-S) protocol.

## 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 |

### -StorageSubSystem <CimInstance>

Specifies the storage subsystem for which you want to get ODX settings. Enter a StorageSubsystem CIM object, which is exposed by the Get-StorageSubSystem cmdlet.

|                             |                |
|-----------------------------|----------------|
| Required?                   | false          |
| 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>).

## INPUTS

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

You can pipe a StorageSubsystem object to the StorageSubsystem parameter.

## OUTPUTS

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

This cmdlet outputs one or more objects that represents the ODX settings for one or more storage subsystems.

## NOTES

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

----- Example 1: Get all ODX settings -----

```
PS C:\>Get-OffloadDataTransferSetting
```

This example gets all ODX settings for connected storage arrays, not including storage arrays that support ODX using the SMI-S protocol.

Example 2: Get storage subsystems that have SMPs that support ODX

```
PS C:\>Get-OffloadDataTransferSetting | Get-StorageSubSystem
```

This example displays all storage subsystems on storage management providers that support ODX, not including storage arrays that support ODX using the SMI-S protocol.

Example 3: Get the ODX settings for a particular storage subsystem

```
PS C:\>$stsubsys = Get-StorageSubsystem -FriendlyName "Big Array"
```

```
PS C:\>Get-OffloadDataTransferSetting -StorageSubsystem $stsubsys
```

This example returns the offload data transfer settings for the StorageSubsystem objects returned by Get-StorageSubSystem cmdlet.

## RELATED LINKS

Online

Version:

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

Get-StorageSubSystem