Windows PowerShell Get-Help on Cmdlet 'Set-PhysicalDisk'

PS:\>Get-HELP Set-PhysicalDisk -Full

NAME

　　Set-PhysicalDisk

SYNOPSIS

　　Sets attributes on a specific physical disk.

SYNTAX

　　Set-PhysicalDisk [-FriendlyName] <String> [-AsJob] [-CimSession <CimSession[]>] [-Description <String>] [-MediaType {HDD | SSD | SCM}] [-NewFriendlyName <String>]

　　[-ThrottleLimit <Int32>] [-Usage {AutoSelect | ManualSelect | HotSpare | Retired | Journal}] [<CommonParameters>]

　　　　Set-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Description <String>] -InputObject <CimInstance[]> [-MediaType {HDD | SSD | SCM}] [-NewFriendlyName <String>]

　　[-ThrottleLimit <Int32>] [-Usage {AutoSelect | ManualSelect | HotSpare | Retired | Journal}] [<CommonParameters>]

　　　Set-PhysicalDisk [-AsJob] [-CimSession <CimSession[]>] [-Description <String>] [-MediaType {HDD | SSD | SCM}] [-NewFriendlyName <String>] [-ThrottleLimit <Int32>]

　　-UniqueId <String> [-Usage {AutoSelect | ManualSelect | HotSpare | Retired | Journal}] [<CommonParameters>]

DESCRIPTION

The Set-PhysicalDisk cmdlet sets attributes on a specific physical disk in a storage pool, other than the primordial pool when using Storage Spaces.

When using the Windows Storage subsystem, this cmdlet only works on physical disks that have been added to a storage pool.

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

-Description <String>

Sets the description of the specified physical disk.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-FriendlyName <String>

    Specifies the friendly name of the physical disk on which to set attributes.

    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

-MediaType <MediaType>

    Specifies a media type. The cmdlet changes the media type that is associated with physical disk to the media type that you specify. The acceptable values for this

    parameter are:

    - SSD

- HDD

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-NewFriendlyName <String>

    Specifies the new friendly name of the physical disk.

    Required?   false

    Position?   named

    Default value   None

    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 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.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-UniqueId <String>

    Specifies the UniqueID of the physical disk on which to set attributes.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

  -Usage <Usage>

    Specifies the allocation method (usage) for the disk. Valid values are AutoSelect, HotSpare, Journal, ManualSelect,

Retired, and Unknown.

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_PhysicalDisk

    You can use the pipeline operator to pass an MSFT_PhysicalDisk object to the InputObject parameter.

OUTPUTS

  None

NOTES

* When using the Windows Storage subsystem, this cmdlet works only on physical disks that have been added to a storage pool.

* 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.

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

---- Example 1: Change the friendly name of a physical disk ----

PS C:\>Set-PhysicalDisk -FriendlyName "PhysicalDisk4" -NewFriendlyName "PhysicalDiskInSlot5"

This example changes the friendly name of PhysicalDisk4 to PhysicalDiskInSlot5.

-------- Example 2: Change the Usage of a physical disk --------

PS C:\>Set-PhysicalDisk -FriendlyName PhysicalDisk2 -Usage AutoSelect

This example changes the Usage property of PhysicalDisk2 to AutoSelect.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/storage/set-physicaldisk?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Add-PhysicalDisk

Get-PhysicalDisk

Remove-PhysicalDisk

Reset-PhysicalDisk