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

PS:>Get-HELP Set-Disk -Full

NAME

Set-Disk

SYNOPSIS

Takes a Disk object or unique disk identifiers and a set of attributes, and updates the physical disk on the system.

SYNTAX

```
Set-Disk [-Number] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-Guid <String>] [-IsReadOnly <Boolean>]
[-Signature <UInt32>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-Guid <String>] -InputObject <CimInstance[]> [-IsReadOnly <Boolean>]
[-Signature <UInt32>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-Guid <String>] [-IsReadOnly <Boolean>] [-Signature <UInt32>]
[-ThrottleLimit <Int32>] -UniqueId <String>
[<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-Guid <String>] [-IsReadOnly <Boolean>] -Path <String> [-Signature <UInt32>] [-ThrottleLimit <Int32>]
```

```
[<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] -InputObject <CimInstance[]> [-IsOffline <Boolean>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] -InputObject <CimInstance[]> [-PartitionStyle {Unknown | MBR | GPT}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-IsOffline <Boolean>] [-ThrottleLimit <Int32>] -UniqueId <String> [<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-IsOffline <Boolean>] -Path <String> [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-Number] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-IsOffline <Boolean>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-Number] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-PartitionStyle {Unknown | MBR | GPT}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-PartitionStyle {Unknown | MBR | GPT}] -Path <String> [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-Disk [-AsJob] [-CimSession <CimSession[]>] [-PartitionStyle {Unknown | MBR | GPT}] [-ThrottleLimit <Int32>] -UniqueId <String> [<CommonParameters>]
```

DESCRIPTION

The Set-Disk cmdlet takes a Disk object or unique disk identifiers and a set of attributes, and updates the physical disk on the system.

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

-Guid <String>

Contains a globally unique ID (GUID).

Required? false

Position? named

Default value None

Accept pipeline input? False

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

-IsOffline <Boolean>

Specifies that the disk is offline.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IsReadOnly <Boolean>

Sets the disk to be read-only, or read-write (read-only = false). Note: If the disk is set to read-only, then the disk must be set to read-only = false before

using this cmdlet to set the PartitionStyle parameter.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Number <UInt32>

Specifies a disk number on which the cmdlet acts.

Required? true

Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-PartitionStyle <PartitionStyle>

Specifies the type of the partition. The acceptable values for this parameter are: MBR or GPT . The disk must be initialized (such as using the Initialize-Disk

(<https://technet.microsoft.com/library/e5369347-7ee0-4cb7-a063-cf1f355d095e>) cmdlet) and set to read-write ('IsReadOnly \$false') before this cmdlet will work. The disk must be set to read-only = false before this cmdlet will work.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Path <String>

Contains the device instance path.

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

-Signature <UInt32>

Contains the signature of the 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 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

-Uniqueld <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

<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_Disk

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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

None

NOTES

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

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

```
PS C:\>Set-Disk -Number 5 -IsOffline $False
```

This example takes a disk that is offline and makes it online.

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

```
PS C:\>Set-Disk -Number 5 -Isreadonly $False
```

This example takes a disk that is read-only and makes it writeable.

RELATED LINKS

Online

Version:

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

Clear-Disk

Get-Disk

Initialize-Disk

Update-Disk

