PowerShell Get-Help on command 'Set-Disk'

PS C:\Users\wahid> Get-Help Set-Disk

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.

  -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.

  -Guid <String>

    Contains a globally unique ID (GUID).

  -InputObject <CimInstance[]>

    Specifies the input object that is used in a pipeline command.

  -IsOffline <Boolean>

    Specifies that the disk is offline.

  -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.

  -Number <UInt32>

    Specifies a disk number on which the cmdlet acts.

  -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/e5369347-7ee0-4c

b7-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.

-Path <String>

   Contains the device instance path.

-Signature <UInt32>

   Contains the signature of the disk.

-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.

-UniqueId <String>

   Specifies an ID used to uniquely identify a Disk object in the system. The

   ID persists through restarts.

<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 --------------------------

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.

REMARKS

To see the examples, type: "get-help Set-Disk -examples".

For more information, type: "get-help Set-Disk -detailed".

For technical information, type: "get-help Set-Disk -full".

For online help, type: "get-help Set-Disk -online"