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

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

NAME

   Set-Partition

SYNOPSIS

   Sets attributes of a partition, such as active, read-only, and offline states.

SYNTAX

     Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DiskId <String> [-GptType <String>] [-IsActive <Boolean>] [-IsDAX <Boolean>] [-IsHidden <Boolean>]

    [-IsReadOnly <Boolean>] [-IsShadowCopy <Boolean>] [-MbrType <UInt16>] [-NoDefaultDriveLetter <Boolean>] -Offset <UInt64> [-ThrottleLimit <Int32>] [-WhatIf]

   [<CommonParameters>]

     Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DiskId <String> [-NewDriveLetter <Char>] -Offset <UInt64> [-ThrottleLimit <Int32>] [-WhatIf]

   [<CommonParameters>]

   Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DiskId <String> [-IsOffline <Boolean>] -Offset <UInt64> [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-Partition [-DiskNumber] <UInt32> [-PartitionNumber] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-GptType <String>] [-IsActive <Boolean>] [-IsDAX

    <Boolean>] [-IsHidden <Boolean>] [-IsReadOnly <Boolean>] [-IsShadowCopy <Boolean>] [-MbrType <UInt16>] [-NoDefaultDriveLetter <Boolean>] [-ThrottleLimit <Int32>]

  [-WhatIf] [<CommonParameters>]

Set-Partition [-DiskNumber] <UInt32> [-PartitionNumber] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-NewDriveLetter <Char>] [-ThrottleLimit <Int32>]

  [-WhatIf] [<CommonParameters>]

Set-Partition [-DiskNumber] <UInt32> [-PartitionNumber] <UInt32> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-IsOffline <Boolean>] [-ThrottleLimit <Int32>]

  [-WhatIf] [<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DriveLetter <Char> [-GptType <String>] [-IsActive <Boolean>] [-IsDAX <Boolean>] [-IsHidden <Boolean>]

    [-IsReadOnly <Boolean>] [-IsShadowCopy <Boolean>] [-MbrType <UInt16>] [-NoDefaultDriveLetter <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DriveLetter <Char> [-NewDriveLetter <Char>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DriveLetter <Char> [-IsOffline <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-GptType <String>] -InputObject <CimInstance[]> [-IsActive <Boolean>] [-IsDAX <Boolean>] [-IsHidden

    <Boolean>] [-IsReadOnly <Boolean>] [-IsShadowCopy <Boolean>] [-MbrType <UInt16>] [-NoDefaultDriveLetter <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf]

  [<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-NewDriveLetter <Char>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

Set-Partition [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-IsOffline <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Set-Partition cmdlet sets the attributes of a partition, including active, read-only, hidden, offline, and the drive letter.

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

-Confirm [<SwitchParameter>]

   Prompts you for confirmation before running the cmdlet.

   Required?   false

   Position?   named

   Default value   False

   Accept pipeline input?   False

   Accept wildcard characters? false

-DiskId <String>

   Specifies the disk ID of the partition to modify.

   Required?   true

   Position?   named

   Default value   None

   Accept pipeline input?   True (ByPropertyName)

   Accept wildcard characters? false

-DiskNumber <UInt32>

   Specifies an array of disk numbers. These represent the disks on which the partitions reside to modify.

   Required?   true

   Position?   0

   Default value   None

   Accept pipeline input?   True (ByPropertyName)

   Accept wildcard characters? false

-DriveLetter <Char>

   Specifies the drive letter of the partition to modify.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-GptType <String>

   Sets the type of a GPT partition to a specific 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

-IsActive <Boolean>

    Specifies that the partition is marked as active and can be used to start the system. This parameter is only relevant for

MBR disks.

   Required?   false

   Position?   named

   Default value   None

   Accept pipeline input?   False

   Accept wildcard characters? false

-IsDAX <Boolean>

Formats a volume as a DirectAccess (DAX) volume.

DAX provides applications with direct access and byte-addressability options via memory mapping on storage class memory (SCM) devices, such as NVDIMM-N.

If you do not specify the IsDAX parameter, the cmdlet defaults to a regular, non-DAX volume.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-IsHidden <Boolean>

Specifies that the partition is hidden. As a result, the partition does not receive a drive letter, does not receive a volume GUID path, and does not host volume

mount points. This ensures that applications such as disk defragmenter do not access the partition.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-IsOffline <Boolean>

Takes the partition offline until explicitly brought back online, or until an access path is added to the partition.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-IsReadOnly <Boolean>

Sets the partition to be read-only (`IsReadOnly $true`) or read-write (`IsReadOnly $false`).

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-IsShadowCopy <Boolean>

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-MbrType <UInt16>

Sets the type of an MBR partition to a specific numeric ID.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-NewDriveLetter <Char>

Specifies the new drive letter for the partition.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-NoDefaultDriveLetter <Boolean>

   Specifies that the automatic assignment of a drive letter is disabled. This is only honored for GPT disks. This attribute

is useful in storage area network (SAN)

   environments.

   Required?   false

   Position?   named

   Default value   None

   Accept pipeline input?   False

   Accept wildcard characters? false

-Offset <UInt64>

   Specifies the partition's offset from the beginning of the disk, measured in bytes.

   Required?   true

   Position?   named

   Default value   None

   Accept pipeline input?   True (ByPropertyName)

   Accept wildcard characters? false

-PartitionNumber <UInt32>

   Specifies the number of the partition.

   Required?   true

   Position?   1

   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

 -WhatIf [<SwitchParameter>]

   Shows what would happen if the cmdlet runs. The cmdlet is not run.

   Required?   false

   Position?   named

   Default value   False

   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_Partition

   You can pipe a Partition object to the InputObject parameter to specify the partition you want to modify by Partition 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: Set the partition to read-only ----------

   PS C:\> Set-Partition -DriveLetter Y -IsReadOnly $True

   This example makes partition Y read-only.

   ---------- Example 2: Set an MBR partition to active ----------

   PS C:\> Set-Partition -DriveLetter Y -IsActive $True

   This example makes the MBR partition Y active.

   ---------------- Example 3: Hide the partition ----------------

   PS C:\> Set-Partition -DriveLetter Y -IsHidden $True

   This example hides partition Y.

   ------------ Example 4: Take the partition offline ------------

   PS C:\> Set-Partition -DriveLetter Y -IsOffline $True

   This example takes the partition and volume offline.

   -------------- Example 5: Change the drive letter --------------

PS C:\> Set-Partition -DriveLetter Y -NewDriveLetter Z

This example changes the drive letter from Y to Z.

RELATED LINKS

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

Get-Partition

New-Partition