



python



PowerShell

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PowerShell Get-Help on command 'Get-Volume'

PS C:\Users\wahid> Get-Help Get-Volume

NAME

Get-Volume

SYNOPSIS

Gets the specified Volume object, or all Volume objects if no filter is provided.

SYNTAX

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-DiskImage <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [[-DriveLetter] <Char[]>] [-AsJob] [-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-FilePath <String>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-FileShare <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-FileSystemLabel <String[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-ObjectId <String[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-Partition <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-Path <String[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-StorageFileServer
<CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-StorageJob <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-StorageNode <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-StoragePool <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

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

Get-Volume [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>]
[-UniqueId <String[]>] [<CommonParameters>]

DESCRIPTION

The Get-Volume cmdlet will return a Volume object or a set of Volume objects

that match the specified criteria.

Note: Dynamic volumes are supported only by the following cmdlets:

Repair-Volume (chkdsk), Optimize-Volume (defrag), and Format-Volume (format) on basic disks and storage spaces.

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.

-DiskImage <CimInstance>

Gets the volume associated with the specified DiskImage object. Enter a DiskImage CIM object, which is returned by the Get-DiskImage cmdlet.

-DriveLetter <Char[]>

Gets the volume(s) with the specified drive letter(s). Separate multiple drive letters with commas.x

-FilePath <String>

Specifies the full path of a file. The cmdlet gets the volume for the file path that you specify.

-FileShare <CimInstance>

Specifies file shares associated with the volumes to get. To obtain a

FileShare object, use the Get-FileShare cmdlet.

-FileSystemLabel <String[]>

Gets the volume with the specified label.

-ObjectId <String[]>

Gets the volume with the specified ObjectID.

-Partition <CimInstance>

Gets the volume associated with the specified Partition object. Enter a Partition CIM object, which is returned by the Get-Partition cmdlet.

-Path <String[]>

Gets the volume with the specified path.

-StorageFileServer <CimInstance>

Specifies a storage file server which hosts volumes to get. To obtain a StorageFileServer , use the Get-StorageFileServer cmdlet.

-StorageJob <CimInstance>

Specifies a storage job associated with volumes to get. To obtain a StorageJob object, use the Get-StorageJob cmdlet.

-StorageNode <CimInstance>

Specifies a storage node object that hosts volumes to get. To obtain a StorageNode object, use the Get-StorageNode cmdlet.

-StoragePool <CimInstance>

Specifies a storage pool that contains volumes to get. To obtain StoragePool objects, use the Get-StoragePool cmdlet.

-StorageSubSystem <CimInstance>

Specifies the storage subsystem object from which to retrieve volumes. To

obtain StorageSubsystem object, the Get-StorageSubSystem cmdlet.

-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.

-UniqueId <String[]>

Specifies the ID of the volume to get.

<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: Get all volumes -----

PS C:\>Get-Volume

This example returns all volumes on all partitions, on all disks.

--- Example 2: Get the volume for a particular drive letter ---

PS C:\>Get-Volume -DriveLetter C

DriveLetter	FileSystemLabel	FileSystem	HealthStatus
	SizeRemaining	Size	
C	23.61 GB	NTFS	Healthy
		465.42 GB	

This example gets the Volume object for drive letter C.

REMARKS

To see the examples, type: "get-help Get-Volume -examples".

For more information, type: "get-help Get-Volume -detailed".

For technical information, type: "get-help Get-Volume -full".

For online help, type: "get-help Get-Volume -online"