



python



PowerShell

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### **PowerShell Get-Help on command 'Get-DiskImage'**

**PS C:\Users\wahid> Get-Help Get-DiskImage**

#### NAME

Get-DiskImage

#### SYNOPSIS

Gets one or more disk image objects (virtual hard disk or ISO).

#### SYNTAX

```
Get-DiskImage [-AsJob] [-CimSession <CimSession[]>] -DevicePath <String[]>  
[-StorageType {Unknown | ISO | VHD | VHDX | VHDSets}] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Get-DiskImage [-ImagePath] <String[]> [-AsJob] [-CimSession <CimSession[]>]  
[-StorageType {Unknown | ISO | VHD | VHDX | VHDSets}] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Get-DiskImage [-AsJob] [-CimSession <CimSession[]>] [-StorageType {Unknown |  
ISO | VHD | VHDX | VHDSets}] [-ThrottleLimit <Int32>] [-Volume <CimInstance>]  
[<CommonParameters>]
```

## DESCRIPTION

The Get-DiskImage cmdlet gets the objects associated with one or more disk images (virtual hard disk or ISO). This cmdlet requires either the full image path of the ISO or VHD file, or the device path.

This cmdlet reports whether the specified ISO or VHD file is currently attached.

## 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.

**-DevicePath** **<String[]>**

Specifies the device path of the ISO or VHD file. You cannot use this parameter with the `ImagePath` parameter.

**-ImagePath** **<String[]>**

Specifies the path of the ISO or VHD file. You cannot use this parameter with the `DevicePath` parameter.

**-StorageType** **<StorageType>**

Specifies the type of a disk image: ISO, VHD, VHDx, or Unknown. If the `StorageType` parameter is not specified or the Unknown type is provided, the storage type is determined by file extension.

#### -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.

#### -Volume <CimInstance>

Gets the disk image associated with the specified Volume object. Enter a Volume CIM object, which can be obtained by using the Get-Volume cmdlet.

#### <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 a disk image by path -----

```
PS C:\>Get-DiskImage -ImagePath "E:\ISO-Files\My US Visit Fall 2010  
Pictures.iso"
```

This example gets an ISO disk image specified by path and displays information about the disk image.

----- Example 2: Get a disk image by device path -----

```
PS C:\>Get-DiskImage -DevicePath \\.\CDROM1
```

This example gets an ISO disk image specified by device path and displays information about the disk image.

Example 3: Get the drive letter associated with a mounted ISO

```
PS C:\>Get-DiskImage -DevicePath \\.\CDROM1 | Get-Volume
```

This example displays the drive letter associated with an ISO file.

Example 4: Get the drive letter associated with a mounted VHD

```
PS C:\>Get-DiskImage -ImagePath E:\vhd1.vhdx | Get-Disk | Get-Partition |  
Get-Volume
```

DriveLetter	FileSystemLabel	FileSystem	DriveType
HealthStatus	SizeRemaining	Size	
-----	-----	-----	-----
-----	-----	----	
F	New Volume	NTFS	Fixed
Healthy	19.27 GB	19.87 GB	

This example displays one or more drive letters associated with volumes in a VHD file.

#### REMARKS

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

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

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

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