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Windows PowerShell Get-Help on Cmdlet 'Get-DiskImage'

PS:\>Get-HELP Get-DiskImage -Full

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 | VHDSet}] [-ThrottleLimit <Int32>]

[<CommonParameters>]

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

[<CommonParameters>]

Get-DiskImage [-AsJob] [-CimSession <CimSession[]>] [-StorageType {Unknown | ISO | VHD | VHDX | VHDSet}] [-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.

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

-DevicePath <String[]>

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

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ImagePath <String[]>

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

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-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.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByValue)
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_Volume`

You can pipe a Volume object to the Volume parameter.

OUTPUTS

`Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_DiskImage`

This cmdlet returns an object that represents the specified disk image.

NOTES

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

----- 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.

RELATED LINKS

https://learn.microsoft.com/powershell/module/storage/get-diskimage?view=windowsserver2022-ps&wt.mc_id=ps-get516	Online	Version:
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Dismount-DiskImage

Get-Disk

Get-Partition

Get-Volume

Mount-DiskImage