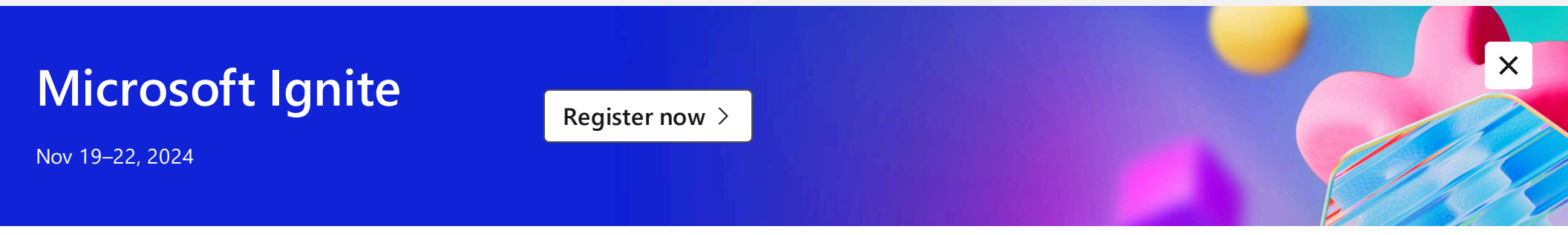

Mount-DiskImage

Reference

Feedback

Module: Storage

In this article

Mounts a previously created disk image (virtual hard disk or ISO), making it appear as a normal disk.

Syntax

PowerShell Copy

```
Mount-DiskImage
     [-ImagePath] <String[]>
     [-StorageType <StorageType>]
     [-Access <Access>]
     [-NoDriveLetter]
     [-CimSession <CimSession[]>]
     [-ThrottleLimit <Int32>]
     [-AsJob]
     [-PassThru]
     [-WhatIf]
     [-Confirm]
     [<CommonParameters>]
```

PowerShell Copy

```
Mount-DiskImage
     -InputObject <CimInstance[]>
     [-Access <Access>]
     [-NoDriveLetter]
     [-CimSession <CimSession[]>]
     [-ThrottleLimit <Int32>]
     [-AsJob]
     [-PassThru]
     [-WhatIf]
```

```
      [-Confirm]
      [<CommonParameters>]
```

Description

The **Mount-DiskImage** cmdlet mounts a previously created disk image (virtual hard disk or ISO), making it appear as a normal disk. This cmdlet requires the full path of the VHD or ISO file. If the file is already mounted, then the cmdlet will display the following error.

-- `"The process cannot access the file because it is being used by another process."`

To mount a VHD file, administrator privileges is required. Administrator privileges are not needed to mount an ISO file on Windows® 8. On Windows Server® 2012, only an administrator is allowed to mount or eject an ISO file.

To create and mount a VHD on a computer running Hyper-V, use the New-VHD and Mount-VHD cmdlets in the Hyper-V module (which is included in Windows 8 and Windows Server 2012 but not enabled by default). Alternatively, open Disk Management and then choose Create VHD from the Action menu.

Examples

Example 1: Mounting an ISO

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

This example mounts an ISO by specifying the image path.

Parameters

-Access

Mounts the VHD file in read-only or read-write mode. If this parameter is not used or you specify the *Unknown* parameter value for the VHD file, the VHD file is mounted in read-write mode.

ISO files are mounted in read-only mode regardless of what parameter value you provide.

Expand table

Type:	Access
Accepted values:	Unknown, ReadWrite, ReadOnly
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-AsJob

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Expand table

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-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 or Get-CimSession cmdlet. The default is the current session on the local computer.

Expand table

Type:	CimSession[]
Aliases:	Session
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-Confirm

Prompts you for confirmation before running the cmdlet.

Expand table

Type:	SwitchParameter
Aliases:	cf
Position:	Named
Default value:	False
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-ImagePath

Specifies the path of the VHD or ISO file.

Expand table

Type:	String[]
Position:	0

Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-InputObject

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

Expand table

Type:	CimInstance[]
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-NoDriveLetter

Specifies that no drive letter should be assigned to the VHD or ISO file after mounting.

Expand table

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-PassThru

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Expand table

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-StorageType

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

Expand table

Type:	StorageType
Accepted values:	Unknown, ISO, VHD, VHDX, VHDSet
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	True
Accept wildcard characters:	False

-ThrottleLimit

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.

Expand table

Type:	Int32
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-WhatIf

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

Expand table

Type:	SwitchParameter
Aliases:	wi
Position:	Named
Default value:	False
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

Inputs

CimInstance

You can pipe a DiskImage object to the *InputObject* parameter.

Outputs

CimInstance

If you specify the *Passthru* parameter, this cmdlet outputs an object that represents the disk image that you mounted.

Notes

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

Related Links

- Dismount-DiskImage
- Get-DiskImage

Feedback

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