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

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

NAME

   Mount-DiskImage

SYNOPSIS

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

SYNTAX

    Mount-DiskImage [-ImagePath] <String[]> [-Access {Unknown | ReadWrite | ReadOnly}] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-NoDriveLetter] [-PassThru]

   [-StorageType {Unknown | ISO | VHD | VHDX | VHDSet}] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

    Mount-DiskImage [-Access {Unknown | ReadWrite | ReadOnly}] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-NoDriveLetter] [-PassThru]

   [-ThrottleLimit <Int32>] [-WhatIf] [<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 Windowsr 8. On Windows Serverr 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.

PARAMETERS

  -Access <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.

      Required?   false
      Position?   named
      Default value   None
      Accept pipeline input?   False
      Accept wildcard characters? false

  -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

-ImagePath <String[]>

Specifies the path of the VHD or ISO file.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName, ByValue)

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

-NoDriveLetter [<SwitchParameter>]

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

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-StorageType <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.

    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 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_DiskImage

You can pipe a DiskImage object to the InputObject parameter.

OUTPUTS

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

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).

------------------ Example 1: Mounting an ISO ------------------

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

This example mounts an ISO by specifying the image path.

RELATED LINKS

Online   Version:

https://learn.microsoft.com/powershell/module/storage/mount-diskimage?view=windowsserver2022-ps&wt.mc_id=ps-gethel

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Dismount-DiskImage

Get-DiskImage