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PowerShell Get-Help on command 'Mount-DiskImage'

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

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.

-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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-ImagePath <String[]>

Specifies the path of the VHD or ISO file.

-InputObject <CimInstance[]>

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

-NoDriveLetter [<SwitchParameter>]

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

-PassThru [<SwitchParameter>]

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

-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.

-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.

-WhatIf [<SwitchParameter>]

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

<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: 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.

REMARKS

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

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

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

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