GET-LOGICALDISK

23/10/2018 by STEPHANOS — LEAVE A COMMENT

Description

Get-LogicalDisk will provide you the information of a local disk on a computer running on a Windows operating system.

Note: You need to install SysInfo module in order for this cmdlet to be available. For more information, see PowerShell Module SysInfo.

Syntax:

```
Get-LogicalDisk
    [[-ComputerName] <String[]>]
    [[-Protocol] <String>]
    [[-Properties] <String[]>]
    [<CommonParameters>]
```

Requirements

- SysInfo PowerShell Module
- WinRM Enabled and PowerShell 3.0 (only if you use WinRM protocol)

If you want to find more about the specific cmdlet while you are in PowerShell you can use the below to get the help file.

Code:

```
Get-Help Get-LogicalDisk
```

Output:

```
PS C:\Windows> Get-Help Get-LogicalDisk

NAME
    Get-LogicalDisk

SYNOPSIS
    Gets the information about a data source that resolves to an
    actual local storage device on a computer system running Windows.

SYNTAX
    Get-LogicalDisk [[-ComputerName] <String[]>] [[-Protocol] <String>] [[-Properties] <String[]>] [<CommonParameters>]

DESCRIPTION
    Gets the information about a data source that resolves to an
    actual local storage device on a computer system running Windows
    and converts all codes in results into human readable format.

RELATED LINKS
    https://www.sconstantinou.com/get-logicaldisk

REMARKS
    To see the examples, type: "get-help Get-LogicalDisk -examples".
    For more information, type: "get-help Get-LogicalDisk -detailed".
    For technical information, type: "get-help Get-LogicalDisk -full".
    For online help, type: "get-help Get-LogicalDisk -online"
```

Now lets see few examples about `Get-LogicalDisk`.

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Examples

Example 1

This command gets the information from local system.

```
PS C:\> Get-LogicalDisk
```

```
DeviceID            : C:
DriveType           : Local Disk
ProviderName        :
VolumeName          :
Size                : 240054693888
```

```
DeviceID             : D:
DriveType            : Compact Disc
ProviderName         :
VolumeName           :
Size                 :
FreeSpace            :
FreeSpacePercentage  :
SystemName           : LOCALPC

DeviceID             : E:
DriveType            : Local Disk
ProviderName         :
VolumeName           : Progs
Size                 : 120031539200
FreeSpace            : 49103392768
FreeSpacePercentage  : 41
SystemName           : LOCALPC

DeviceID             : F:
DriveType            : Local Disk
ProviderName         :
VolumeName           : Data
Size                 : 1000097181696
FreeSpace            : 981623255040
FreeSpacePercentage  : 98
SystemName           : LOCALPC

DeviceID             : G:
DriveType            : Removable Disk
ProviderName         :
VolumeName           :
Size                 : 15991816192
```

```
DeviceID            : H:
DriveType           : Removable Disk
ProviderName        :
VolumeName          :
Size                :
FreeSpace           :
FreeSpacePercentage :
SystemName          : LOCALPC
```

Example 2

This command gets the information from Server1.

```
PS C:\> Get-LogicalDisk -ComputerName Server1
```

Example 3

This command gets the information from remote system with IP 192.168.0.5.

```
PS C:\> Get-LogicalDisk -ComputerName "192.168.0.5"
```

Example 4

This command gets the information from Server1, Server2 and Server3.

```
PS C:\> Get-LogicalDisk -ComputerName Server1,Server2,Server3
```

Example 5

This command gets the information from Server1 and will output only
Name and Status Properties.

```
PS C:\> Get-LogicalDisk -ComputerName Server1 -Properties Name
```

```
PS C:\> Get-LogicalDisk -ComputerName Server1 -Properties *
```

Example 7

This command gets the information from Server1.

```
PS C:\> "Server1" | Get-LogicalDisk
```

Example 8

This command gets the information from Server1 using DCOM protocol.

```
PS C:\> Get-LogicalDisk -ComputerName Server1 -Protocol DCOM
```

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Optional Parameters

- -ComputerName
    - Description: Specifies the computer names or IP Addresses of the systems that we want to get the information from.
    - Required: False
    - Position: 1
    - Default value: None
    - Accept pipeline input: True (ByValue)
    - Accept wildcard characters: False
- -Protocol
    - Description: Specifies the protocol that will be used to get the information from the remote system.
    - Accepted Values: DCOM or WinRM
    - Required: False
    - Position: 2
    - Default value: None
    - Accept pipeline input: False

- Description: Specifies the object properties that appear in the display and the order in which they appear. Wildcards are permitted.
- Required: False
- Position: 3
- Default value
- Accept pipeline input: False
- Accept wildcard characters: True

Inputs

System.Array.

Get-LogicalDisk can accept a string value to determine the ComputerName parameter.

Outputs

System.Object.

Get-LogicalDisk returns an object containing all the information that has been retrieved.

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- GitHub – SConstantinou/SysInfo
- PowerShell Module SysInfo

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