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GET-DISKDRIVE

22/10/2018 by [STEPHANOS](#) — [LEAVE A COMMENT](#)

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Description

Get-DiskDrive will provide you the information of a physical disk drive as seen by a computer running 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-DiskDrive

```
[[ -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-DiskDrive

Output:

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

NAME
    Get-DiskDrive

SYNOPSIS
    Gets a physical disk drive as seen by a computer running
    the Windows operating system.

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

DESCRIPTION
    Gets a physical disk drive as seen by a computer running
    the Windows operating system and converts all codes in results
    into human readable format.

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

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

Now lets see few examples about **Get-DiskDrive**.

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Examples

Example 1

This command gets the information from local system.

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

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : KINGSTON SH103S3240G
Partitions    : 1
Size          : 240054796800
Model         : KINGSTON SH103S3240G
```

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Caption : TOSHIBA DT01ACA100
Partitions : 1
Size : 1000202273280
Model : TOSHIBA DT01ACA100
SystemName : LOCALPC

DeviceID : \\.\PHYSICALDRIVE3
Caption : Generic- Multi-Card USB Device
Partitions : 0
Size :
Model : Generic- Multi-Card USB Device
SystemName : LOCALPC

DeviceID : \\.\PHYSICALDRIVE2
Caption : KINGSTON SH103S3120G
Partitions : 1
Size : 120031511040
Model : KINGSTON SH103S3120G
SystemName : LOCALPC

Example 2

This command gets the information from Server1.

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

DeviceID : \\.\PHYSICALDRIVE0
Caption : Microsoft Virtual Disk
Partitions : 3
Size : 107372805120
Model : Microsoft Virtual Disk
SystemName : Server1

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

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

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : Microsoft Virtual Disk
Partitions    : 3
Size          : 107372805120
Model         : Microsoft Virtual Disk
SystemName    : Server1
```

Example 4

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

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

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : Microsoft Virtual Disk
Partitions    : 3
Size          : 107372805120
Model         : Microsoft Virtual Disk
SystemName    : Server1
```

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : Virtual HD ATA Device
Partitions    : 2
Size          : 85896599040
Model         : Virtual HD ATA Device
SystemName    : Server2
```

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Size : 107372805120
Model : Virtual HD ATA Device
SystemName : Server3

Example 5

Get the information from multiple remote systems using IP addresses.

PS C:\> Get-DiskDrive -ComputerName Server1 -Properties Name,S

Name	Status
----	-----
\\.\PHYSICALDRIVE0	OK

Example 6

This command gets the information from Server1 and will output all properties.

PS C:\> Get-DiskDrive -ComputerName Server1 -Properties *

Caption	: Microsoft Virtual Disk
Description	: Disk drive
InstallDate	:
Name	: \\.\PHYSICALDRIVE0
Status	: OK
Availability	:
ConfigManagerErrorCode	:
ConfigManagerUserConfig	: False
DeviceID	: \\.\PHYSICALDRIVE0
ErrorCleared	:

StatusInfo	:
SystemName	: Server1
Capabilities	: {3, 4}
CapabilityDescriptions	: {Random Access, Supports Writing
CompressionMethod	:
DefaultBlockSize	:
ErrorMethodology	:
MaxBlockSize	:
MaxMediaSize	:
MinBlockSize	:
NeedsCleaning	:
NumberOfMediaSupported	:
BytesPerSector	: 512
FirmwareRevision	: 1.0
Index	: 0
InterfaceType	: SCSI
Manufacturer	: (Standard disk drives)
MediaLoaded	: True
MediaType	: Fixed hard disk media
Model	: Microsoft Virtual Disk
Partitions	: 3
SCSIBus	: 0
SCSILogicalUnit	: 0
SCSIPort	: 0
SCSITargetId	: 0
SectorsPerTrack	: 63
SerialNumber	:
Signature	:
Size	: 107372805120
TotalCylinders	: 13054
TotalHeads	: 255
TotalSectors	: 209712510

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SizeGB : 100



Example 7

This command gets the information from Server1.

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

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : Microsoft Virtual Disk
Partitions    : 3
Size          : 107372805120
Model         : Microsoft Virtual Disk
SystemName    : Server1
```

Example 8

This command gets the information from Server1 using DCOM protocol.

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

```
DeviceID      : \\.\PHYSICALDRIVE0
Caption       : Microsoft Virtual Disk
Partitions    : 3
Size          : 107372805120
Model         : Microsoft Virtual Disk
SystemName    : Server1
```

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Optional Parameters

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- 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
 - Accept wildcard characters: False
- **-Properties**
 - 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-DiskDrive can accept a string value to determine the ComputerName parameter.

Outputs

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

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Summary

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```
PS C:\Windows> Get-DiskDrive

NAME
----
Get-DiskDrive

SYNOPSIS
Get a physical disk drive as seen by a computer running
the Windows operating system.

PARAMETERS
Get-DiskDrive [-ComputerName] <string> [[-Protocol] <string>] [[-RequestSize] <string>] [[-CacheWriteMode] <string>]

DESCRIPTION
Get a physical disk drive as seen by a computer running
the Windows operating system and returns all results
into human-readable format.

RELATED LINKS
https://www.connecttutorials.com/get-disk-drive/

NOTES
To use the examples, type: "get-disk-drive -examples".
For more information, type: "get-disk-drive -help".
For technical information, type: "get-disk-drive -full".
For online help, type: "get-disk-drive -online".
```

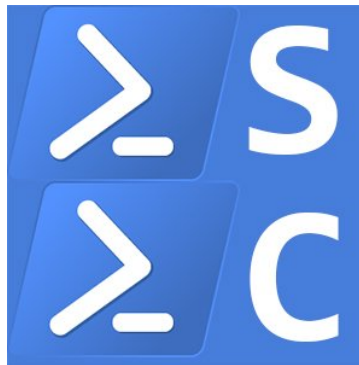
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