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GET-LOCALDISK

23/10/2018 by [STEPHANOS](#) — [2 COMMENTS](#)

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Description

Get-LocalDisk 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-LocalDisk

```
[[ -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-LocalDisk

Output:

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

NAME
    Get-LocalDisk

SYNOPSIS
    Gets the information of a local disk on a computer running
    on a Windows operating system.

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

DESCRIPTION
    Gets the information of a local disk on a computer running
    on a Windows operating system and converts all codes in results
    into human readable format.

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

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

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

[adinsserter name="In Article"]

Examples

Example 1

This command gets the information from local system.

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

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

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```
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
```

Example 2

This command gets the information from Server1.

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

```
DeviceID           : C:
DriveType          : Local Disk
ProviderName       :
VolumeName         :
Size               : 106818433024
FreeSpace          : 31742431232
FreeSpacePercentage : 30
```

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

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

```
DeviceID           : C:
DriveType           : Local Disk
ProviderName        :
VolumeName          :
Size                : 106818433024
FreeSpace           : 31742431232
FreeSpacePercentage : 30
SystemName          : Server1
```

Example 4

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

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

Example 5

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

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



Example 6

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

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

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InstallDate	:
Name	: C:
Status	:
Availability	:
ConfigManagerErrorCode	:
ConfigManagerUserConfig	:
DeviceID	: C:
ErrorCleared	:
ErrorDescription	:
LastErrorCode	:
PowerManagementCapabilities	:
PowerManagementSupported	:
StatusInfo	:
SystemName	: Server1
Access	:
BlockSize	:
ErrorMethodology	:
NumberOfBlocks	:
Purpose	:
FreeSpace	: 31742353408
Size	: 106818433024
Compressed	: False
DriveType	: Local Disk
FileSystem	: NTFS
MaximumComponentLength	: 255
MediaType	: Fixed hard disk media
ProviderName	:
QuotasDisabled	: True
QuotasIncomplete	: False
QuotasRebuilding	: False
SupportsDiskQuotas	: True
SupportsFileBasedCompression	: True

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UsedSpacePercentage	: 70
SizeKB	: 104314876
SizeMB	: 101870
SizeGB	: 99.48
FreeSpaceKB	: 30998392
FreeSpaceMB	: 30271.87
FreeSpaceGB	: 29.56

Example 7

This command gets the information from Server1.

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

Example 8

This command gets the information from Server1 using DCOM protocol.

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

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

Outputs

System.Object.

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

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Related Links

- [Get-1394Controller](#)
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Summary

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

NAME
    Get-LocalDisk

SYNOPSIS
    Get the information of a local disk on a computer running
    on a Windows operating system.

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

DESCRIPTION
    Get the information of a local disk on a computer running
    on a Windows operating system and converts all codes to results
    into human-readable format.

RELATED LINKS
    https://www.stephanosconstantinou.com/get-localdisk

EXAMPLES
    To see the examples, type: "get-help Get-LocalDisk -examples".
    For more information, type: "get-help Get-LocalDisk -whatif".
    For more information, type: "get-help Get-LocalDisk -full".
    For online help, type: "get-help Get-LocalDisk -online".
```

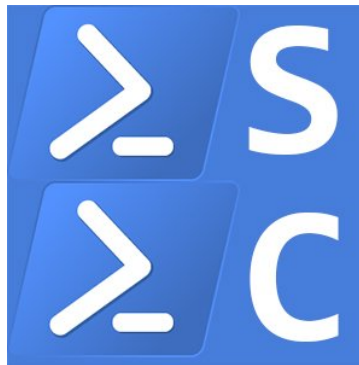
Article Name Get-LocalDisk

Description Get-LocalDisk. Here you will find information about Get-LocalDisk and its use. Stephanos Constantinou Blog - PowerShell Scripting

Author Stephanos

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Comments

jkavanagh58 says

[23/10/2018 at 15:42](#)

Are all of these going to be placed into a module? Hey it will be another post right?

~ ~ ~

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23/10/2018 at 16:02

Hello,

Yes all of these commands are packed into SysInfo module. I have already published the module on PowerShell Gallery. Currently I am preparing the documentation for all the commands included in the module and then I will publish the related post for the help information of the SysInfo module.

Thanks

Stephanos

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