GET-DISKPARTITION

22/10/2018 by STEPHANOS — LEAVE A COMMENT

Description

Get-DiskPartition will provide you the information of the capabilities and management capacity of a partitioned area of a physical disk on a computer system running Windows.

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

Syntax:

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

Requirements

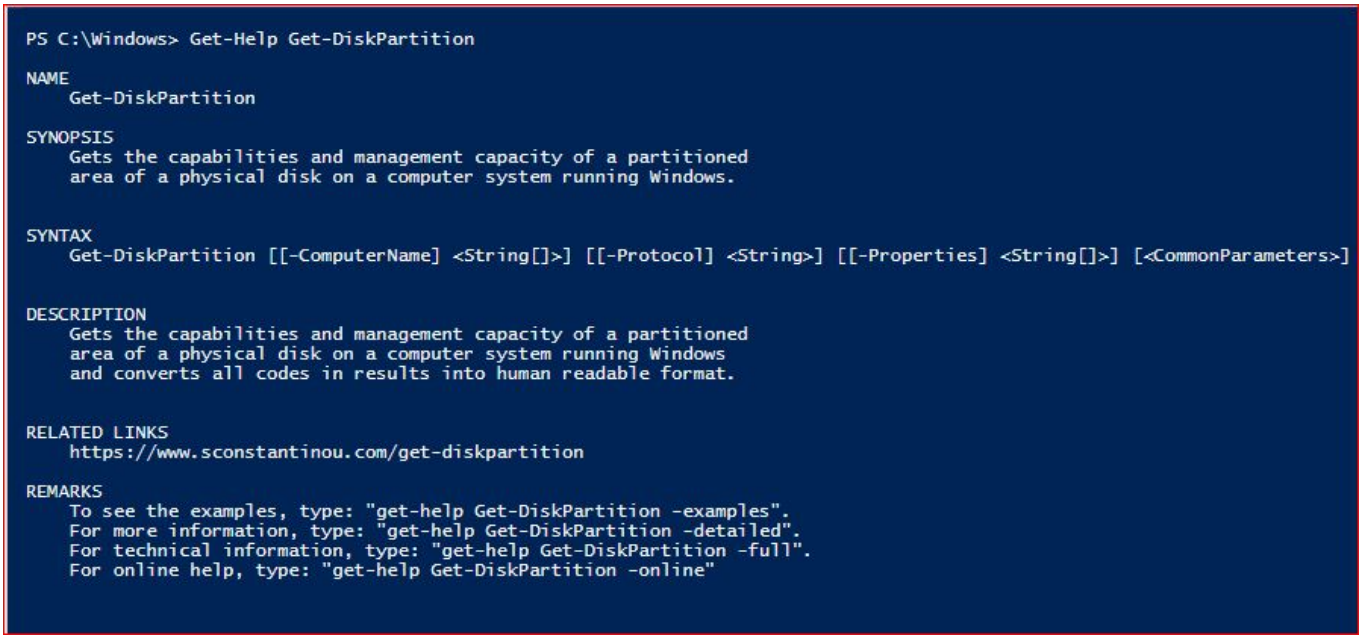
- SysInfo PowerShell Module
- WinRM Enabled and PowerShell 3.0 (only if you use WinRM protocol)

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-DiskPartition
```

Output:



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

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Examples

Example 1

This command gets the information from local system.

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

```
Name              : Disk #0, Partition #0
NumberOfBlocks    : 468856832
BootPartition     : False
PrimaryPartition  : True
Size              : 240054697984
Index             : 0
```

```
NumberOfBlocks   : 1953314816
BootPartition    : True
PrimaryPartition : True
Size             : 1000097185792
Index            : 0
SystemName       : LOCALPC

Name             : Disk #2, Partition #0
NumberOfBlocks   : 234436608
BootPartition    : False
PrimaryPartition : True
Size             : 120031543296
Index            : 0
SystemName       : LOCALPC
```

Example 2

This command gets the information from Server1.

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


Name             : Disk #0, Partition #0
NumberOfBlocks   : 614400
BootPartition    : False
PrimaryPartition : False
Size             : 314572800
Index            : 0
SystemName       : Server1

Name             : Disk #0, Partition #1
NumberOfBlocks   : 202752
BootPartition    : True
```

```
SystemName       : Server1

Name             : Disk #0, Partition #2
NumberOfBlocks   : 208629760
BootPartition    : False
PrimaryPartition : True
Size             : 106818437120
Index            : 2
SystemName       : Server1
```

Example 3

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

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


Name             : Disk #0, Partition #0
NumberOfBlocks   : 614400
BootPartition    : False
PrimaryPartition : False
Size             : 314572800
Index            : 0
SystemName       : Server1

Name             : Disk #0, Partition #1
NumberOfBlocks   : 202752
BootPartition    : True
PrimaryPartition : True
Size             : 103809024
Index            : 1
SystemName       : Server1
```

```
PrimaryPartition : True
Size             : 106818437120
Index            : 2
SystemName       : Server1
```

Example 4

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

```
PS C:\> Get-DiskPartition -ComputerName Server1,Server2,Server
```

```
Name                   NumberOfBlocks BootPartition PrimaryPart
----                   -------------- ------------- -----------
Disk #0, Partition #0          204800          True
Disk #0, Partition #0          716800          True
Disk #0, Partition #0          614400         False
Disk #0, Partition #1       209504256         False
Disk #0, Partition #1       167049216         False
Disk #0, Partition #1          202752          True
Disk #0, Partition #2       208629760         False
```

Example 5

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

```
PS C:\> Get-DiskPartition -ComputerName Server1 -Properties Na
```

```
Name                   Status
----                   ------
```

Example 6

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

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


Caption                      : Disk #0, Partition #0
Description                  : GPT: Unknown
InstallDate                  :
Name                         : Disk #0, Partition #0
Status                       :
Availability                 :
ConfigManagerErrorCode       :
ConfigManagerUserConfig      :
DeviceID                     : Disk #0, Partition #0
ErrorCleared                 :
ErrorDescription             :
LastErrorCode                :
PowerManagementCapabilities :
PowerManagementSupported     :
StatusInfo                   :
SystemName                   : Server1
Access                       :
BlockSize                    : 512
ErrorMethodology             :
NumberOfBlocks               : 614400
Purpose                      :
Bootable                     : False
PrimaryPartition             : False
BootPartition                : False
DiskIndex                    : 0
```

```
StartingOffset              : 1048576
Type                        : GPT: Unknown
SizeKB                      : 307200
SizeMB                      : 300
SizeGB                      : 0.29
StartingOffsetKB            : 1024
StartingOffsetMB            : 1

Caption                     : Disk #0, Partition #1
Description                 : GPT: System
InstallDate                 :
Name                        : Disk #0, Partition #1
Status                      :
Availability                :
ConfigManagerErrorCode      :
ConfigManagerUserConfig     :
DeviceID                    : Disk #0, Partition #1
ErrorCleared                :
ErrorDescription            :
LastErrorCode               :
PowerManagementCapabilities :
PowerManagementSupported    :
StatusInfo                  :
SystemName                  : Server1
Access                      :
BlockSize                   : 512
ErrorMethodology            :
NumberOfBlocks              : 202752
Purpose                     :
Bootable                    : True
PrimaryPartition            : True
BootPartition               : True
```

```
Size                          : 103809024
StartingOffset                : 315621376
Type                          : GPT: System
SizeKB                        : 101376
SizeMB                        : 99
SizeGB                        : 0.1
StartingOffsetKB              : 308224
StartingOffsetMB              : 301

Caption                       : Disk #0, Partition #2
Description                   : GPT: Basic Data
InstallDate                   :
Name                          : Disk #0, Partition #2
Status                        :
Availability                  :
ConfigManagerErrorCode        :
ConfigManagerUserConfig       :
DeviceID                      : Disk #0, Partition #2
ErrorCleared                  :
ErrorDescription              :
LastErrorCode                 :
PowerManagementCapabilities   :
PowerManagementSupported      :
StatusInfo                    :
SystemName                    : Server1
Access                        :
BlockSize                     : 512
ErrorMethodology              :
NumberOfBlocks                : 208629760
Purpose                       :
Bootable                      : False
PrimaryPartition              : True
```

```
RewritePartition            :
Size                        : 106818437120
StartingOffset              : 553648128
Type                        : GPT: Basic Data
SizeKB                      : 104314880
SizeMB                      : 101870
SizeGB                      : 99.48
StartingOffsetKB            : 540672
StartingOffsetMB            : 528
```

Example 7

This command gets the information from Server1.

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


Name             : Disk #0, Partition #0
NumberOfBlocks   : 614400
BootPartition    : False
PrimaryPartition : False
Size             : 314572800
Index            : 0
SystemName       : Server1

Name             : Disk #0, Partition #1
NumberOfBlocks   : 202752
BootPartition    : True
PrimaryPartition : True
Size             : 103809024
Index            : 1
SystemName       : Server1
```

```
PrimaryPartition : True
Size             : 106818437120
Index            : 2
SystemName       : Server1
```

Example 8

This command gets the information from Server1 using DCOM protocol.

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


Name             : Disk #0, Partition #0
NumberOfBlocks   : 614400
BootPartition    : False
PrimaryPartition : False
Size             : 314572800
Index            : 0
SystemName       : Server1

Name             : Disk #0, Partition #1
NumberOfBlocks   : 202752
BootPartition    : True
PrimaryPartition : True
Size             : 103809024
Index            : 1
SystemName       : Server1

Name             : Disk #0, Partition #2
NumberOfBlocks   : 208629760
BootPartition    : False
PrimaryPartition : True
Size             : 106818437120
```

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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
  - 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.

Outputs

System.Object.

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

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