



python



PowerShell

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PowerShell Get-Help on command 'Get-Partition'

PS C:\Users\wahid> Get-Help Get-Partition

NAME

Get-Partition

SYNOPSIS

Returns a list of all partition objects visible on all disks, or optionally a filtered list using specified parameters.

SYNTAX

```
Get-Partition [-AsJob] [-CimSession <CimSession[]>] [-Disk <CimInstance>]
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-Partition [-AsJob] [-CimSession <CimSession[]>] -DiskId <String[]>
[-Offset <UInt64[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-Partition [[-DiskNumber] <UInt32[]>] [[-PartitionNumber] <UInt32[]>]
[-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Get-Partition [-AsJob] [-CimSession <CimSession[]>] [-DriveLetter <Char[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

Get-Partition [-AsJob] [-CimSession <CimSession[]>] [-StorageSubSystem
<CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-Partition [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>]
[-UniqueId <String[]>] [<CommonParameters>]

Get-Partition [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>]
[-Volume <CimInstance>] [<CommonParameters>]

DESCRIPTION

The Get-Partition cmdlet returns one or more Partition objects depending on the specified criteria. This cmdlet will return a Volume object or a set of Volume objects given parameters to be used to uniquely identify a volume, or parameters to identify a set of volumes that meet the given set of criteria.

PARAMETERS

-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.

-Disk <CimInstance>

Accepts a Disk object as input. The Disk CIM object is exposed by the Get-Disk cmdlet.

-DiskId <String[]>

Specifies an ID used to identify a disk in the system.

-DiskNumber <UInt32[]>

Specifies an array of disk numbers.

-DriveLetter <Char[]>

Specifies a letter used to identify a drive or volume in the system.

Specifically the drive on which the partition resides.

-Offset <UInt64[]>

Specifies the starting offset, in bytes.

-PartitionNumber <UInt32[]>

Specifies the number of the partition.

-StorageSubSystem <CimInstance>

Specifies the storage subsystem from which to get partitions. To obtain a StorageSubsystem object, use the Get-StorageSubSystem cmdlet.

-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 PowerShell 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.

-UniqueId <String[]>

Specifies the ID of the partition to get.

-Volume <CimInstance>

Accepts a Volume object as input. The Volume CIM object is exposed by the Get-Volume cmdlet.

<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 -----

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

This example returns all partitions, on all disks.

----- Example 2 -----

```
PS C:\>Get-Partition -DiskNumber 5
```

Disk Number: 5

PartitionNumber DriveLetter Offset

Size Type

1	H	1048576	298.09
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GB IFS

This example returns all partitions on disk 5.

----- Example 3 -----

```
PS C:\>Get-Partition -DriveLetter C
```

Disk Number: 0

PartitionNumber DriveLetter Offset

Size Type

2	C	368050176	465.42
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GB IFS

This example returns partitions associated with the volume for drive letter C.

----- Example 4 -----

```
PS C:\>Get-Partition | Where-Object -FilterScript {$_.Type -Eq "Basic"}
```

This example returns only the basic partitions on all disks.

REMARKS

To see the examples, type: "get-help Get-Partition -examples".

For more information, type: "get-help Get-Partition -detailed".

For technical information, type: "get-help Get-Partition -full".

For online help, type: "get-help Get-Partition -online"