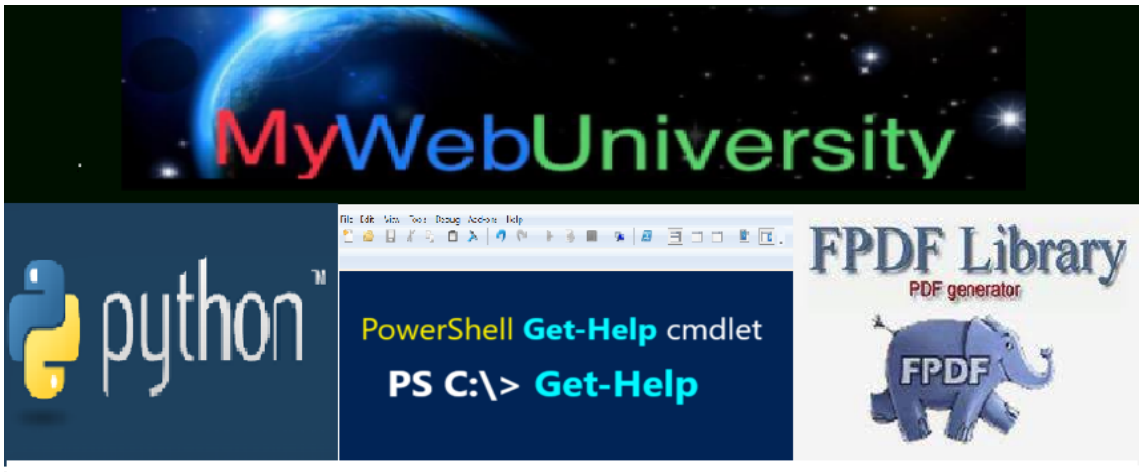

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Windows PowerShell Get-Help on Cmdlet 'Get-Partition'

PS:\>Get-HELP Get-Partition -Full

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.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Disk <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-DiskId <String[]>

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

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskNumber <UInt32[]>

Specifies an array of disk numbers.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DriveLetter <Char[]>

Specifies a letter used to identify a drive or volume in the system. Specifically the drive on which the partition resides.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Offset <UInt64[]>

Specifies the starting offset, in bytes.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PartitionNumber <UInt32[]>

Specifies the number of the partition.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StorageSubSystem <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-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 PowerShellr 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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UniqueId <String[]>

Specifies the ID of the partition to get.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Volume <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

<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).

INPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_Disk

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_VirtualDisk

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_Volume

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_Partitions

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

---------- 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 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 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.

RELATED LINKS

Online Version:

https://learn.microsoft.com/powershell/module/storage/get-partition?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Where-Object https://go.microsoft.com/fwlink/p/?LinkID=113423

Get-Disk

Get-StorageSubSystem

Get-Volume