



python



PowerShell

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PowerShell Get-Help on command 'Resize-Partition'

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

NAME

Resize-Partition

SYNOPSIS

Resizes a partition and the underlying file system.

SYNTAX

```
Resize-Partition [-Size] <UInt64> [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] -DiskId <String[]> -Offset <UInt64[]> [-PassThru] [-ThrottleLimit
<Int32>] [-WhatIf] [<CommonParameters>]
```

```
Resize-Partition [-DiskNumber] <UInt32[]> [-PartitionNumber] <UInt32[]>
[-Size] <UInt64> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Resize-Partition [-Size] <UInt64> [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] -DriveLetter <Char[]> [-PassThru] [-ThrottleLimit <Int32>]
[-WhatIf] [<CommonParameters>]
```

```
Resize-Partition [-Size] <UInt64> [-AsJob] [-CimSession <CimSession[]>]
```

[-Confirm] -InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The Resize-Partition cmdlet resizes a partition and the underlying file system.

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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the 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.

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

-Offset <UInt64[]>

Specifies the starting offset, in bytes.

-PartitionNumber <UInt32[]>

Specifies the number of the partition. The number of the partition to be resized.

-PassThru [<SwitchParameter>]

Sends items from the interactive window down the pipeline as input to other cmdlets. By default, this cmdlet does not generate any output.

To send items from the interactive window down the pipeline, click to select the items and then click OK. Shift-click and Ctrl-click are supported.

-Size <UInt64>

Specifies the size of the partition to create. If not specified, then the number will default to Bytes . The acceptable values for this parameter are: Bytes , KB , MB , GB , or TB . The size may be defined by a user.

-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.

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

<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 -DiskNumber 3 -PartitionNumber 2
```

Disk Number: 3

PartitionNumber DriveLetter Offset

Size Type

2	D	135266304	931.39
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GB Basic

Resize the partition to 900GB.

```
PS C:\>Resize-Partition -DiskNumber 3 -PartitionNumber 2 -Size (900GB)
```

The partition is now 900GB.

```
PS C:\>Get-Partition -DiskNumber 3 -PartitionNumber 2
```

Disk Number: 3

PartitionNumber DriveLetter Offset

Size Type

2	D	135266304	900
---	---	-----------	-----

GB Basic

Get the partition sizes.

```
PS C:\>$size = (Get-PartitionSupportedSize -DiskNumber 3 -PartitionNumber 2)
```

Resize to the maximum size.

```
PS C:\>Resize-Partition -DiskNumber 3 -PartitionNumber 2 -Size $size.SizeMax
```

This example starts with a 931.39 GB partition.

REMARKS

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

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

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

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