



python



PowerShell

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### ***PowerShell Get-Help on command 'Initialize-Disk'***

***PS C:\Users\wahid> Get-Help Initialize-Disk***

#### NAME

Initialize-Disk

#### SYNOPSIS

Initializes a RAW disk for first time use, enabling the disk to be formatted and used to store data.

#### SYNTAX

```
Initialize-Disk [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
[-FriendlyName <String[]>] [-PartitionStyle {Unknown | MBR | GPT}] [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Initialize-Disk [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject
<CimInstance[]> [-PartitionStyle {Unknown | MBR | GPT}] [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Initialize-Disk [-Number] <UInt32[]> [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] [-PartitionStyle {Unknown | MBR | GPT}] [-PassThru] [-ThrottleLimit
<Int32>] [-WhatIf] [<CommonParameters>]
```

```
Initialize-Disk [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
[-PartitionStyle {Unknown | MBR | GPT}] [-PassThru] -Path <String[]>
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Initialize-Disk [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
[-PartitionStyle {Unknown | MBR | GPT}] [-PassThru] [-ThrottleLimit <Int32>]
-Uniqueid <String[]> [-WhatIf] [<CommonParameters>]
```

```
Initialize-Disk [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
[-PartitionStyle {Unknown | MBR | GPT}] [-PassThru] [-ThrottleLimit <Int32>]
[-VirtualDisk <CimInstance>] [-WhatIf] [<CommonParameters>]
```

## DESCRIPTION

The Initialize-Disk cmdlet initializes a Disk object with the RAW partition style to either the MBR or GPT partition styles. The default partition style is GPT. Disks must be initialized before they can be formatted and used to store data.

## 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.

**-FriendlyName <String[]>**

Specifies the friendly name of the disk to initialize.

**-InputObject <CimInstance[]>**

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

**-Number <UInt32[]>**

Specifies the disk number of the disk to initialize.

**-PartitionStyle <PartitionStyle>**

Specifies the type of the partition. The acceptable values for this parameter are: MBR or GPT . The disk must be set to read-write ( `IsReadOnly $false`` ) before this cmdlet will work.

**-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.

**-Path <String[]>**

Specifies the path of the disk to initialize.

**-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 UniqueID of the disk to initialize

`-VirtualDisk <CimInstance>`

Specifies the VirtualDisk object for which you want to initialize the associated Disk object. The Virtual Disk CIM object is exposed by the `Get-VirtualDisk` cmdlet.

`-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: Initialize a disk using default values -----

```
PS C:\>Initialize-Disk -Number 1
```

This example initializes the first disk in the computer (disk number 1), using the default values, which initializes the disk using the GPT partition style.

-- Example 2: Initialize a disk using the MBR partition style --

```
PS C:\> Initialize-Disk -Number 1 -PartitionStyle MBR
```

This example initializes a disk using the MBR partition style.

----- Example 3: Initialize a virtual disk -----

```
PS C:\>Initialize-Disk -VirtualDisk (Get-VirtualDisk -FriendlyName UserData)
```

This example uses the VirtualDisk parameter with the Get-VirtualDisk cmdlet to get a virtual disk with the friendly name UserData, and initialize the Disk object associated with the virtual disk.

#### REMARKS

To see the examples, type: "get-help Initialize-Disk -examples".

For more information, type: "get-help Initialize-Disk -detailed".

For technical information, type: "get-help Initialize-Disk -full".

For online help, type: "get-help Initialize-Disk -online"