



python



PowerShell

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PowerShell Get-Help on command 'Enable-StorageHighAvailability'

PS C:\Users\wahid> Get-Help Enable-StorageHighAvailability

NAME

Enable-StorageHighAvailability

SYNOPSIS

Enables a disk to be added to the failover cluster.

SYNTAX

```
Enable-StorageHighAvailability [-AsJob] [-CimSession <CimSession[]>]  
-DiskFriendlyName <String[]> [-PassThru] [-ScaleOut <Boolean>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

```
Enable-StorageHighAvailability [-DiskNumber] <UInt32[]> [-AsJob] [-CimSession  
<CimSession[]>] [-PassThru] [-ScaleOut <Boolean>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Enable-StorageHighAvailability [-AsJob] [-CimSession <CimSession[]>] -DiskPath  
<String[]> [-PassThru] [-ScaleOut <Boolean>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Enable-StorageHighAvailability [-AsJob] [-CimSession <CimSession[]>]
```

-DiskUniqueId <String[]> [-PassThru] [-ScaleOut <Boolean>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Enable-StorageHighAvailability [-AsJob] [-CimSession <CimSession[]>]

-InputObject <CimInstance[]> [-PassThru] [-ScaleOut <Boolean>] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Enable-StorageHighAvailability cmdlet enables a clusterable disk that is not yet a cluster resource to be added to the failover cluster.

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.

-DiskFriendlyName <String[]>

Specifies an array of friendly names for disks.

-DiskNumber <UInt32[]>

Specifies an array of disk numbers.

-DiskPath <String[]>

Specifies an array of disk paths.

-DiskUniqueId <String[]>

Specifies an array of disk IDs.

-InputObject <CimInstance[]>

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

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

-ScaleOut <Boolean>

-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.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

Example 1: Enable a disk in a failover cluster by using its ID

This command uses the Get-Disk cmdlet to display the properties of disk number 9.

PS C:\>Get-Disk -Number 9 | Format-Table -Property

```
Number,IsHighlyAvailable,IsClustered,IsScaleOut
```

```
Number IsHighlyAvailable IsClustered IsScaleOut
```

```
-----  
9          False    False    False
```

The next command enables disk number 9. The final command repeats the first command to display the new status of the disk.

```
PS C:\>Enable-StorageHighAvailability -DiskNumber 9
```

```
PS C:\> Get-Disk -Number 9 | Format-Table
```

```
Number,IsHighlyAvailable,IsClustered,IsScaleOut
```

```
Number IsHighlyAvailable IsClustered IsScaleOut
```

```
-----  
9          True     True     True
```

This command enables a shared disk to be added to the failover cluster and made a Cluster Shared Volume by using the disk number as the identifier of the disk to enable.

Example 2: Enable a disk for failover cluster without it being enabled for Cluster Shared Volumes

This command uses **Get-Disk** to display the properties of disk number 9.

```
PS C:\>Get-Disk -Number 9 | Format-Table -Property
```

```
Number,IsHighlyAvailable,IsClustered,IsScaleOut
```

```
Number IsHighlyAvailable IsClustered IsScaleOut
```

```
-----  
9          False    False    False
```

The next command enables disk number 9. The command specifies a value of 0 for the **Scaleout** parameter. This command leaves the disk in available storage and not enabled. The final command repeats the first command to display the new status of the disk.

```
PS C:\>Enable-StorageHighAvailability -DiskNumber 9 -ScaleOut 0
```

```
PS C:\> Get-Disk -Number 9 | Format-Table
```

```
Number,IsHighlyAvailable,IsClustered,IsScaleOut
```

```
Number IsHighlyAvailable IsClustered IsScaleOut
```

```
-----  
9      True      True      False
```

This example enables a shared disk to be added to the failover cluster and made a Cluster Shared Volume by using the disk number. The example makes the disk available but enabled for Cluster Shared Volume.

REMARKS

To see the examples, type: "get-help Enable-StorageHighAvailability -examples".

For more information, type: "get-help Enable-StorageHighAvailability -detailed".

For technical information, type: "get-help Enable-StorageHighAvailability -full".

For online help, type: "get-help Enable-StorageHighAvailability -online"