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Windows PowerShell Get-Help on Cmdlet 'Enable-StorageHighAvailability'

PS:\>Get-HELP Enable-StorageHighAvailability -Full

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.

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/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/?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

-DiskFriendlyName <String[]>

Specifies an array of friendly names for disks.

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? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskPath <String[]>

Specifies an array of disk paths.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskUniqueId <String[]>

Specifies an array of disk IDs.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-InputObject <CimInstance[]>

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

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ScaleOut <Boolean>

Required? false
Position? named
Default value None
Accept pipeline input? False

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 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.

Required? false

Position? named

Default value None

Accept pipeline input? False

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

OUTPUTS

NOTES

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

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

```
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.

RELATED LINKS

Online

Version:

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

Disable-StorageHighAvailability

Get-Disk