



### *Windows PowerShell Get-Help on Cmdlet 'Get-MaskingSet'*

***PS:\>Get-HELP Get-MaskingSet -Full***

#### NAME

Get-MaskingSet

#### SYNOPSIS

Gets masking sets. Masking sets are used to grant access to a virtual disk or iSCSI VHD for one or more servers.

#### SYNTAX

```
Get-MaskingSet [[-FriendlyName] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-HostType {Unknown | Other | Standard | Solaris | HPUX | OpenVMS | Tru64 | Netware | Sequent | AIX | DGUX | Dynix | Irix | CiscoISCSIStorageRouter | Linux | MicrosoftWindows | OS400 | TRESPASS | HIUX | VMwareESXi | MicrosoftWindowsServer2008 | MicrosoftWindowsServer2003}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-InitiatorId <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-StorageSubSystem <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-TargetPort <CimInstance>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Get-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-Uniqueld <String[]>]
[<CommonParameters>]
```

```
Get-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-VirtualDisk <CimInstance>]
[<CommonParameters>]
```

## DESCRIPTION

The Get-MaskingSet cmdlet returns a list of created masking sets. Masking sets are used to grant access to a virtual disk or iSCSI VHD for one or more servers.

```
ps_storage_spacesubsystem_not_remark
```

## 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

-FriendlyName <String[]>

Gets the masking set with the specified friendly name or friendly name pattern.

Required? false  
Position? 0  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

-HostType <HostType[]>

Specifies the host operating system or other host environmental factors that may influence the behavior that the storage system should have when showing a virtual

disk to an initiator. If the HostType property is blank for the object you want to get, omit this parameter.

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

-InitiatorId < CimInstance >

Gets the masking set associated with the specified InitiatorId object. Enter an InitiatorID CIM object, which is exposed by the Get-InitiatorId cmdlet.

Required? false  
Position? named

Default value            None  
Accept pipeline input?    True (ByValue)  
Accept wildcard characters? false

**-StorageSubSystem <CimInstance>**

Gets the masking set associated with the specified StorageSubSystem object. Enter a StorageSubSystem CIM object, which is exposed by the Get-StorageSubSystem cmdlet.

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

**-TargetPort <CimInstance>**

Gets the masking set associated with the specified TargetPort object. Enter a TargetPort CIM object, which is exposed by the Get-TargetPort 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 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

**-Uniqueid <String[]>**

Specifies the UniqueID of the masking set to get.

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

**-VirtualDisk <CimInstance>**

Gets the masking set associated with the specified VirtualDisk object. Enter a VirtualDisk CIM object, which is exposed by the Get-VirtualDisk 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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

**INPUTS**

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_InitiatorId

You can pipe an InitiatorId object to the InitiatorId parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_StorageSubsystem

You can pipe a StorageSubsystem object to the StorageSubsystem parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_TargetPort

You can pipe a TargetPort object to the TargetPort parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_VirtualDisk

You can pipe a VirtualDisk object to the VirtualDisk parameter.

## OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_MaskingSet

This cmdlet outputs an object that represents a masking set.

## NOTES

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

----- Example 1: Get all masking sets -----

```
PS C:\> Get-MaskingSet
```

This example gets and displays all existing MaskingSet objects which have been created using any available Storage Management Providers across all visible storage subsystems.

----- Example 2: Get all Microsoft Windows masking sets -----

```
PS C:\> Get-MaskingSet -HostType MicrosoftWindows
```

This example gets and displays all masking sets hosted by a computer running Microsoft Windows.

-- Example 3: Get the masking set for a specific virtual disk --

```
PS C:\> Get-MaskingSet -VirtualDisk (Get-VirtualDisk -FriendlyName CompanyData)
```

This example gets the masking set for the CompanyData virtual disk. It does so by using the Get-VirtualDisk cmdlet to get the appropriate VirtualDisk object and provide it to the VirtualDisk parameter of Get-MaskingSet .

## RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/storage/get-maskingset?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/storage/get-maskingset?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Get-InitiatorPort

Get-TargetPort

New-MaskingSet

Remove-MaskingSet

Rename-MaskingSet

Get-VirtualDisk