



python



PowerShell

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PowerShell Get-Help on command 'Get-MaskingSet'

PS C:\Users\wahid> Get-Help Get-MaskingSet

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>]  
[-UniqueId <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.

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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.

-FriendlyName <String[]>

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

pattern.

-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.

-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.

-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.

-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.

-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 masking set to get.

-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.

<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: 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 .

To see the examples, type: "get-help Get-MaskingSet -examples".

For more information, type: "get-help Get-MaskingSet -detailed".

For technical information, type: "get-help Get-MaskingSet -full".

For online help, type: "get-help Get-MaskingSet -online"