



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'New-MaskingSet'

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

NAME

New-MaskingSet

SYNOPSIS

Creates a new masking set.

SYNTAX

```
New-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-DeviceAccesses {Unknown  
| ReadWrite | ReadOnly | NoAccess}] [-DeviceNumbers <String[]>] [-FriendlyName  
<String>] [-HostType {Unknown | Other | Standard | Solaris | HPUNIX | OpenVMS |  
Tru64 | Netware | Sequent | AIX | DGUX | Dynix | Irix |  
CiscoSCSIStorageRouter | Linux | MicrosoftWindows | OS400 | TRESPASS | HIUX |  
VMwareESXi | MicrosoftWindowsServer2008 | MicrosoftWindowsServer2003}]  
[-InitiatorAddresses <String[]>] -InputObject <CimInstance[]>  
[-TargetPortAddresses <String[]>] [-ThrottleLimit <Int32>] [-VirtualDiskNames  
<String[]>] [<CommonParameters>]
```

```
New-MaskingSet [-StorageSubSystemFriendlyName] <String[]> [-AsJob]  
[-CimSession <CimSession[]>] [-DeviceAccesses {Unknown | ReadWrite | ReadOnly  
| NoAccess}] [-DeviceNumbers <String[]>] [-FriendlyName <String>] [-HostType
```

{Unknown | Other | Standard | Solaris | HPUX | OpenVMS | Tru64 | Netware |
Sequent | AIX | DGUX | Dynix | Irix | CiscoSCSIStorageRouter | Linux |
MicrosoftWindows | OS400 | TRESPASS | HIUX | VMwareESXi |
MicrosoftWindowsServer2008 | MicrosoftWindowsServer2003} [-InitiatorAddresses
<String[]>] [-TargetPortAddresses <String[]>] [-ThrottleLimit <Int32>]
[-VirtualDiskNames <String[]>] [<CommonParameters>]

New-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-DeviceAccesses {Unknown
| ReadWrite | ReadOnly | NoAccess}] [-DeviceNumbers <String[]>] [-FriendlyName
<String>] [-HostType {Unknown | Other | Standard | Solaris | HPUX | OpenVMS |
Tru64 | Netware | Sequent | AIX | DGUX | Dynix | Irix |
CiscoSCSIStorageRouter | Linux | MicrosoftWindows | OS400 | TRESPASS | HIUX |
VMwareESXi | MicrosoftWindowsServer2008 | MicrosoftWindowsServer2003}]
[-InitiatorAddresses <String[]>] -StorageSubSystemName <String[]>
[-TargetPortAddresses <String[]>] [-ThrottleLimit <Int32>] [-VirtualDiskNames
<String[]>] [<CommonParameters>]

New-MaskingSet [-AsJob] [-CimSession <CimSession[]>] [-DeviceAccesses {Unknown
| ReadWrite | ReadOnly | NoAccess}] [-DeviceNumbers <String[]>] [-FriendlyName
<String>] [-HostType {Unknown | Other | Standard | Solaris | HPUX | OpenVMS |
Tru64 | Netware | Sequent | AIX | DGUX | Dynix | Irix |
CiscoSCSIStorageRouter | Linux | MicrosoftWindows | OS400 | TRESPASS | HIUX |
VMwareESXi | MicrosoftWindowsServer2008 | MicrosoftWindowsServer2003}]
[-InitiatorAddresses <String[]>] -StorageSubSystemUniqueId <String[]>
[-TargetPortAddresses <String[]>] [-ThrottleLimit <Int32>] [-VirtualDiskNames
<String[]>] [<CommonParameters>]

DESCRIPTION

The New-MaskingSet cmdlet creates a new masking set. Masking sets allow management of groups of TargetPort, VirtualDisk, and InitiatorID objects to manage access to virtual disks, either for individual computers or multiple computers in the case of a Failover Cluster configuration. Once a masking set

is created, adding or removing a virtual disk grants or removes access to all resources in the masking set. Adding or removing initiator addresses can show or hide the virtual disks in this masking set to hosts.

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.

-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.

-DeviceAccesses <DeviceAccess[]>

Specifies the way in which initiators can access the virtual disk(s) that are part of this masking set. You must specify a `DeviceAccesses` value for each virtual disk specified by the `VirtualDiskNames` parameter. Allowed values are `NoAccess`, `ReadOnly`, `ReadWrite`, and `Unknown`.

-DeviceNumbers <String[]>

Specifies the device numbers for one or more virtual disks. Some storage providers do not use device numbers.

-FriendlyName <String>

Specifies the friendly name for the new masking set.

-HostType <HostMode>

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.

-InitiatorAddresses <String[]>

Specifies the initiator addresses.

-InputObject <CimInstance[]>

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

-StorageSubSystemFriendlyName <String[]>

Specifies the friendly name of the storage subsystem.

-StorageSubSystemName <String[]>

Specifies the name of the storage subsystem provided by the Storage Management.

-StorageSubSystemUniqueId <String[]>

Specifies the UniqueID of the storage subsystem to use.

-TargetPortAddresses <String[]>

Specifies one or more target port addresses.

-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.

-VirtualDiskNames <String[]>

Specifies one or more virtual disk names to include in the masking set.

<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: Create a masking set -----

```
PS C:\> $StorageSubsystem = Get-StorageSubsystem
PS C:\> $VirtualDisks = Get-VirtualDisk -Name "Virtual01,Virtual02"
PS C:\> $Initiator = Get-InitiatorPort
PS C:\> $Target = Get-TargetPort
PS C:\> New-MaskingSet -StorageSubsystemFriendlyName
$StorageSubsystem.FriendlyName -VirtualDiskNames $VirtualDisks.Name
-FriendlyName "MyFirstMaskingSet" -InitiatorAddresses $Initiator.NodeAddress
-TargetPortAddresses $Target.PortAddress
```

This example collects the necessary information and then creating a new masking set to expose the virtual disks that have the friendly names VirtualDisk01 and VirtualDisk02 to the local machine.

REMARKS

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

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

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

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