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### ***Windows PowerShell Get-Help on Cmdlet 'New-IscsiTargetPortal'***

**PS:\>Get-HELP New-IscsiTargetPortal -Full**

#### **NAME**

New-IscsiTargetPortal

#### **SYNOPSIS**

Configures an iSCSI target portal.

#### **SYNTAX**

```
New-IscsiTargetPortal [-AsJob] [-AuthenticationType <String>] [-ChapSecret <String>] [-ChapUsername <String>]
[-CimSession <CimSession[]>] [-InitiatorInstanceName <String>] [-InitiatorPortalAddress <String>] [-IsDataDigest <Boolean>] [-IsHeaderDigest <Boolean>] -TargetPortalAddress <String>
[-TargetPortalPortNumber <UInt16>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

#### **DESCRIPTION**

The New-IscsiTargetPortal cmdlet connects a new iSCSI target portal.

#### **PARAMETERS**

**-AsJob [<SwitchParameter>]**

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the `\*-Job` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see [about\\_Jobs](#) (<https://go.microsoft.com/fwlink/?LinkID=113251>).

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

**-AuthenticationType <String>**

Specifies the type of authentication to use when logging into the target. The acceptable values for this parameter are:

- NONE

- ONEWAYCHAP

- MUTUALCHAP

Note: These values are case sensitive.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -ChapSecret <String>

Specifies the CHAP secret to use when establishing a connection authenticated by using CHAP.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -ChapUsername <String>

Specifies the user name to use when establishing a connection authenticated by using Mutual CHAP.

Required? false

Position? named

Default value None

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

**-InitiatorInstanceName <String>**

Specifies the name of the initiator instance that the iSCSI initiator service uses to send SendTargets requests to the target portal. If no instance name is

specified, the iSCSI initiator service chooses the initiator instance.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-InitiatorPortalAddress <String>**

Specifies the IP address or DNS name that is associated with the portal.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-IsDataDigest <Boolean>**

Indicates whether this cmdlet enables data digest when the initiator logs into the target portal. If you do not specify this parameter, the digest setting is

determined by the initiator kernel mode driver.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-IsHeaderDigest <Boolean>**

Indicates whether this cmdlet enables header digest when the initiator logs into the target portal. If you do not specify this parameter, the digest setting is

determined by the initiator kernel mode driver.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -TargetPortalAddress <String>

Specifies the IP address or DNS name of the target portal.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -TargetPortalPortNumber <UInt16>

Specifies the TCP/IP port number for the target portal. By default, the port number is 3260.

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

None

#### OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#MSFT\_IscsiTargetPortal

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

#### NOTES

----- Example 1: Add an iSCSI target portal -----

```
PS C:\> New-IscsiTargetPortal -TargetPortalAddress "testIscsi"

InitiatorInstanceName      :
InitiatorNodeAddress      :
InitiatorPortalAddress    :
InititorIPAdressListNumber : 4294967295
IsDataDigest              : False
IsHeaderDigest            : False
TargetPortalAddress        : testIscsi
TargetPortalPortNumber     : 3260
```

This command adds a new iSCSI target portal named testIscsi to perform discovery.

## RELATED LINKS

	Online	Version:
<a href="https://learn.microsoft.com/powershell/module/iscsi/new-iscsitargetportal?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelp">https://learn.microsoft.com/powershell/module/iscsi/new-iscsitargetportal?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelp</a>		
iSCSI on TechNet		
Storage on TechNet <a href="https://go.microsoft.com/fwlink/?linkid=191356">https://go.microsoft.com/fwlink/?linkid=191356</a>		