



python



PowerShell

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### **PowerShell Get-Help on command 'Get-IscsiSession'**

**PS C:\Users\wahid> Get-Help Get-IscsiSession**

#### NAME

Get-IscsiSession

#### SYNOPSIS

Retrieves information about established iSCSI sessions.

#### SYNTAX

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-NumberOfConnections  
<UInt32[]>] [-SessionIdentifier <String[]>] [-TargetSidIdentifier <String[]>]  
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>]  
[-InitiatorSidIdentifier <String[]>] [-NumberOfConnections <UInt32[]>]  
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-IscsiTarget  
<CimInstance>] [-NumberOfConnections <UInt32[]>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPort
```

```
<CimInstance>] [-NumberOfConnections <UInt32[]>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-IscsiTargetPortal  
<CimInstance>] [-NumberOfConnections <UInt32[]>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-Disk <CimInstance>]  
[-NumberOfConnections <UInt32[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-IscsiSession [-AsJob] [-CimSession <CimSession[]>] [-IscsiConnection  
<CimInstance>] [-NumberOfConnections <UInt32[]>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

## DESCRIPTION

The Get-IscsiSession cmdlet returns information about iSCSI sessions.

There is an association between the iSCSI session and the disk object. It is possible to return all disks connected by using a specific iSCSI session by running the following command:

```
PS C:\> `Get-iSCSISession | Get-Disk`
```

## 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>).

**-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.

**-Disk <CimInstance>**

Accepts a MSFT disk object as an input. The MSFT disk object is output from the Get-Disk cmdlet.

**-InitiatorPort <CimInstance>**

Accepts a MSFT initiator port object as an input. The MSFT initiator port object is output from the Get-InitiatorPort cmdlet.

**-InitiatorSideIdentifier <String[]>**

Specifies the initiator side identifier.

**-IscsiConnection <CimInstance>**

Accepts a MSFT iSCSI connection object as an input. The MSFT iSCSI connection object is output from the Get-IscsiConnection cmdlet.

**-IscsiTarget <CimInstance>**

Accepts a MSFT iSCSI target object as an input. The MSFT iSCSI target object is output from the Get-IscsiTarget cmdlet.

**-IscsiTargetPortal <CimInstance>**

Accepts a MSFT iSCSI target portal object as an input. The MSFT iSCSI target portal object is output from the Get-IscsiTargetPortal cmdlet.

`-NumberOfConnections <UInt32[]>`

Specifies the number of connections.

`-SessionIdentifier <String[]>`

Specifies the session identifier.

`-TargetSideIdentifier <String[]>`

Specifies the target side identifier.

`-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.

`<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>).

----- Example 1: Get information about iSCSI sessions -----

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

```
AuthenticationType    : NONE
```

```
InitiatorInstanceName : ROOT\ISCSIPRT\0000_0
```

```
InitiatorNodeAddress  : iqn.1991-05.com.microsoft:deepcore.contoso.com
```

```
InitiatorPortalAddress :
```

InitiatorSideIdentifier : 400001370001  
IsConnected : True  
IsDataDigest : False  
IsDiscovered : True  
IsHeaderDigest : False  
IsMultipathEnabled : False  
IsPersistent : True  
NumberOfConnections : 1  
SessionIdentifier : fffffa800d008430-4000013700000001  
TargetNodeAddress : iqn.1991-05.com.contoso:testiscsi-deepcore-target  
TargetSideIdentifier : 0200

AuthenticationType : NONE  
InitiatorInstanceName : ROOT\ISCSIPRT\0000\_0  
InitiatorNodeAddress : iqn.1991-05.com.contoso:deepcore.contoso.com  
InitiatorPortalAddress :

InitiatorSideIdentifier : 400001370004  
IsConnected : True  
IsDataDigest : False  
IsDiscovered : True  
IsHeaderDigest : False  
IsMultipathEnabled : False  
IsPersistent : True  
NumberOfConnections : 1  
SessionIdentifier : fffffa800d008430-4000013700000002  
TargetNodeAddress : iqn.1991-05.com.contoso:testiscsi-deepcore-target  
TargetSideIdentifier : 0100

AuthenticationType : NONE  
InitiatorInstanceName : ROOT\ISCSIPRT\0000\_0  
InitiatorNodeAddress : iqn.1991-05.com.contoso:deepcore.contoso.com  
InitiatorPortalAddress :  
InitiatorSideIdentifier : 400001370002

IsConnected : True  
IsDataDigest : False  
IsDiscovered : True  
IsHeaderDigest : False  
IsMultipathEnabled : False  
IsPersistent : True  
NumberOfConnections : 1  
SessionIdentifier : fffffa800d008430-4000013700000003  
TargetNodeAddress : iqn.1991-05.com.contoso:testiscsi-deepcore-target  
TargetSidIdentifier : 0300

This command returns information about iSCSI sessions.

#### REMARKS

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

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

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

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