Windows PowerShell Get-Help on Cmdlet 'Get-IscsiConnection'

PS:\>Get-HELP Get-IscsiConnection -Full

NAME

Get-IscsiConnection

SYNOPSIS

Gets information about connected iSCSI initiator connections.

SYNTAX

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-ConnectionIdentifier <String[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber

<UInt16[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-Disk <CimInstance>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>]

[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPort <CimInstance>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber

<UInt16[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalAddress <String[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InitiatorSideIdentifier <String[]>] [-InititorIPAdressListNumber <UInt16[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>] [-IscsiSession <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>] [-IscsiTarget <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>] [-TargetSideIdentifier <String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-IscsiConnection [-AsJob] [-CimSession <CimSession[]>] [-InitiatorPortalPortNumber <UInt16[]>] [-InititorIPAdressListNumber <UInt16[]>] [-ThrottleLimit <Int32>] [-iSCSITargetPortal <CimInstance>] [<CommonParameters>]

DESCRIPTION

The Get-IscsiConnection cmdlet returns information about active iSCSI initiator connections.

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

-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

-ConnectionIdentifier <String[]>

Specifies the connection identifier for an iSCSI session.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Disk <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-InitiatorPort <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

-InitiatorPortalPortNumber <UInt16[]>

Specifies the TCP/IP port number for the initiator portal.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-InitiatorSideIdentifier <String[]>

Specifies the initiator side identifier.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-InititorIPAdressListNumber <UInt16[]>

Specifies the index to the initiator IP address list.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IscsiSession <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-IscsiTarget <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-TargetSideIdentifier <String[]>

Specifies the target side identifier.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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 PowerShellr 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

-iSCSITargetPortal <CimInstance>

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

INPUTS

System.String

Microsoft.Management.Infrastructure.CimInstance#MSFT_DISK

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.

Microsoft.Management.Infrastructure.CimInstance#MSFT_InitiatorPort

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.

Microsoft.Management.Infrastructure.CimInstance#MSFT_IscsiSession

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.

Microsoft.Management.Infrastructure.CimInstance#MSFT_IscsiTarget

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.

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.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#MSFT_iSCSIConnection

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: Display information about a connected iSCI target -

PS C:\> Get-IscsiConnection

ConnectionIdentifier : fffffa8005313020-2

InitiatorNodeAddress : 0.0.0.0

InitiatorPortNumber : 41458

TargetNodeAddress : 10.121.235.126

TargetPortNumber : 3260

The command displays information returned by this cmdlet from a connected iSCSI target.

RELATED LINKS

Online Version:

https://learn.microsoft.com/powershell/module/iscsi/get-iscsiconnection?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

iSCSI on TechNet

Storage on TechNet https://go.microsoft.com/fwlink/?linkid=191356

Get-IscsiSession

Get-IscsiTarget

Get-IscsiTargetPortal