



python



PowerShell

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PowerShell Get-Help on command 'Get-CimSession'

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

NAME

Get-CimSession

SYNOPSIS

Gets the CIM session objects from the current session.

SYNTAX

Get-CimSession [[-ComputerName] <System.String[]>] [<CommonParameters>]

Get-CimSession [-Id] <System.UInt32[]> [<CommonParameters>]

Get-CimSession -InstanceId <System.Guid[]> [<CommonParameters>]

Get-CimSession -Name <System.String[]> [<CommonParameters>]

DESCRIPTION

By default, the cmdlet gets all of the CIM sessions created in the current PowerShell session. You can use the parameters of `Get-CimSession` to get the sessions that are for particular computers, or you can identify sessions by

their names or other identifiers. `Get-CimSession` does not get CIM sessions that were created in other PowerShell sessions or that were created on other computers.

For more information about CIM sessions, see `about_CimSession` (`../Microsoft.PowerShell.Core/About/about_CimSession.md`).

PARAMETERS

`-ComputerName <System.String[]>`

Specifies the name of the computer to get CIM sessions connected to. Wildcard characters are permitted.

`-Id <System.UInt32[]>`

Specifies the identifier of the CIM session to get. For multiple IDs, use commas to separate the IDs or use the range operator (`..`) to specify a range of IDs. An `Id` is an integer that uniquely identifies the CIM session within the current PowerShell session.

For more information about the range operator, see `about_Operators` (`../Microsoft.PowerShell.Core/About/about_Operators.md`).

`-InstanceId <System.Guid[]>`

Specifies the instance IDs of the CIM session to get. `InstanceId` is a globally-unique identifier (GUID) that uniquely identifies a CIM session.

The `InstanceId` is unique, even when you have multiple sessions running in PowerShell.

The `InstanceId` is stored in the `InstanceId` property of the object that represents a CIM session.

`-Name <System.String[]>`

Gets one or more CIM sessions which contain the specified friendly names.

Wildcard characters are permitted.

<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 CIM sessions from the current PowerShell session

```
New-CimSession -ComputerName Server01,Server02
```

```
Get-CimSession
```

```
Id      : 1
Name    : CimSession1
InstanceId : d1413bc3-162a-4cb8-9aec-4d2c61253d59
ComputerName : Server01
Protocol  : WSMAN
```

```
Id      : 2
Name    : CimSession2
InstanceId : c0095981-52c5-4e7f-a5bb-c4c680541710
ComputerName : Server02
Protocol  : WSMAN
```

---- Example 2: Get the CIM sessions to a specific computer ----

```
Get-CimSession -ComputerName Server02
```

```
Id      : 2
Name    : CimSession2
InstanceId : c0095981-52c5-4e7f-a5bb-c4c680541710
```

ComputerName : Server02

Protocol : WSMAN

Example 3: Get a list of CIM sessions and then format the list

```
Get-CimSession | Format-Table -Property ComputerName,InstanceId
```

ComputerName InstanceId

Server01 d1413bc3-162a-4cb8-9aec-4d2c61253d59

Server02 c0095981-52c5-4e7f-a5bb-c4c680541710

- Example 4: Get all the CIM sessions that have specific names -

```
Get-CimSession -ComputerName Serv*
```

Id : 1

Name : CimSession1

InstanceId : d1413bc-162a-4cb8-9aec-4d2c61253d59

ComputerName : Server01

Protocol : WSMAN

Id : 2

Name : CimSession2

InstanceId : c0095981-52c5-4e7f-a5bb-c4c680541710

ComputerName : Server02

Protocol : WSMAN

----- Example 5: Get a specific CIM session -----

Get-CimSession -ID 2

Id : 2

Name : CimSession2

InstanceId : c0095981-52c5-4e7f-a5bb-c4c680541710

ComputerName : Server02

Protocol : WSMAN

REMARKS

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

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

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

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