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### ***Windows PowerShell Get-Help on Cmdlet 'Get-SmbSession'***

**PS:\>Get-HELP Get-SmbSession -Full**

#### **NAME**

Get-SmbSession

#### **SYNOPSIS**

Retrieves information about the SMB sessions that are currently established between the SMB server and the associated clients.

#### **SYNTAX**

```
Get-SmbSession [[-SessionId] <UInt64[]>] [[-ClientComputerName] <String[]>] [[-ClientUserName] <String[]>]
[[-ScopeName] <String[]>] [[-ClusterNodeName] <String[]>]
[-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden] [-SmbInstance {Default | CSV | SBL | SR}] [-ThrottleLimit
<Int32>] [<CommonParameters>]
```

#### **DESCRIPTION**

The Get-SmbSession cmdlet retrieves basic information about the Server Message Block (SMB) sessions that are currently established between the SMB server and the associated clients.

## PARAMETERS

### -AsJob [<SwitchParameter>]

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

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/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/?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

### -ClientComputerName <String[]>

Specifies the client computer name from which the only sessions are returned.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-ClientUserName <String[]>**

Specifies the name of the user whose sessions are retrieved.

Required? false

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-ClusterNodeName <String[]>**

Specifies, in the case of a share hosted by a Windows cluster, the name of the server which is hosting the sessions is retrieved.

Required? false

Position? 5

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-IncludeHidden [<SwitchParameter>]**

Indicates that sessions that are created and used internally are enumerated also.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

**-ScopeName <String[]>**

Specifies the scope of the sessions being retrieved.

Required? false

Position? 4

Default value        None  
Accept pipeline input?    True (ByPropertyName)  
Accept wildcard characters? false

-SessionId <UInt64[]>

Specifies the identifiers (IDs) that uniquely identify the sessions for which the information is retrieved.

Required?        false  
Position?        1  
Default value        None  
Accept pipeline input?    True (ByPropertyName)  
Accept wildcard characters? false

-SmbInstance <SmbInstance>

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

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 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#root\Microsoft\Windows\SMB\MSFT\_SmbSession

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. The MSFT\_SmbSession object represents the sessions established between the

SMB server and the associated clients.

#### NOTES

----- Example 1: Get session information -----

PS C:\>Get-SmbSession

SessionId	ClientComputerName	ClientUserName	NumOpens
85899345929	[fe80::c8c0:f65d:3bc6:7313]	Contoso\Contoso-FS1\$	0

4415226380377	192.168.102.14	Contoso\Contoso-HV2\$	1
4415226380385	192.168.102.14	Contoso\Contoso-HV2\$	1
4415226380393	192.168.102.14	Contoso\Contoso-HV2\$	5
8813272891397	[fe80::6484:f325:adff:39eb]	Contoso\Contoso-FS2\$	0
8813272891441	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891449	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891457	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891461	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891469	192.168.101.13	Contoso\Contoso-HV1\$	5
8813272891489	192.168.102.14	Contoso\Contoso-HV2\$	1
8813272891493	192.168.102.14	Contoso\Contoso-HV2\$	1
8813272891517	192.168.102.14	Contoso\Contoso-HV2\$	5
8813272891581	192.168.102.13	Contoso\Contoso-HV1\$	1
8813272891585	192.168.102.13	Contoso\Contoso-HV1\$	1
8813272891609	192.168.102.13	Contoso\Contoso-HV1\$	3
8813272891613	192.168.101.13	Contoso\Contoso-HV1\$	2
8813272891621	192.168.101.13	Contoso\Administrator	0

This command retrieves information about the SMB sessions that are currently established between the SMB server and the associated clients.

----- Example 2: Get information for a specific session -----

PS C:\>Get-SmbSession -SessionId 8813272891621

SessionId	ClientComputerName	ClientUserName	NumOpens
8813272891621	192.168.101.13	Contoso\Administrator	0

This command retrieves information about the SMB session identified as 8813272891621 that is currently established between the SMB server and the associated clients.

--- Example 3: Get session information for a specific client ---

PS C:\>Get-SmbSession -ClientComputerName "192.168.102.14"

SessionId	ClientComputerName	ClientUserName	NumOpens
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4415226380377	192.168.102.14	Contoso\Contoso-HV2\$	1
4415226380385	192.168.102.14	Contoso\Contoso-HV2\$	1
4415226380393	192.168.102.14	Contoso\Contoso-HV2\$	5
8813272891489	192.168.102.14	Contoso\Contoso-HV2\$	1
8813272891493	192.168.102.14	Contoso\Contoso-HV2\$	1
8813272891517	192.168.102.14	Contoso\Contoso-HV2\$	5

This command retrieves information about the SMB sessions that are currently established between the SMB server and the SMB client at the IP address 192.168.102.14.

----- Example 4: Get session information for a client -----

PS C:\>Get-SmbSession -ClientUserName "Contoso\Contoso-HV1\$"

SessionId	ClientComputerName	ClientUserName	NumOpens
8813272891441	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891449	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891457	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891461	192.168.101.13	Contoso\Contoso-HV1\$	1
8813272891469	192.168.101.13	Contoso\Contoso-HV1\$	5
8813272891581	192.168.102.13	Contoso\Contoso-HV1\$	1
8813272891585	192.168.102.13	Contoso\Contoso-HV1\$	1
8813272891609	192.168.102.13	Contoso\Contoso-HV1\$	3
8813272891613	192.168.101.13	Contoso\Contoso-HV1\$	2

This command retrieves information about the SMB sessions that are currently established between the SMB server and the SMB client that has the user name

Contoso\Contoso-HV1\$.

----- Example 5: Get all information for a session -----

PS C:\>Get-SmbSession -SessionId 8813272891441 | Select-Object -Property \*

ClientComputerName : 192.168.101.13

ClientUserName : Contoso\Contoso-HV1\$

```
ClusterNodeName      : Contoso-FS1
Dialect            : 3.00
NumOpens           : 1
ScopeName          : Contoso-FS
SecondsExists     : 45346
SecondsIdle       : 33
SessionId         : 8813272891441
TransportName      :
PSComputerName    :
CimClass          : ROOT/Microsoft/Windows/SMB:MSFT_SmbSession
CimInstanceProperties : {ClientComputerName, ClientUserName, ClusterNodeName, Dialect...}
CimSystemProperties : Microsoft.Management.Infrastructure.CimSystemProperties
```

This command retrieves all of the information about the SMB session identified as 8813272891441 that are currently established between the SMB server and the SMB client.

## RELATED LINKS

	Online	Version:
<a href="https://learn.microsoft.com/powershell/module/smbshare/get-smbsession?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelpp">https://learn.microsoft.com/powershell/module/smbshare/get-smbsession?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelpp</a>		
<a href="#">Close-SmbSession</a>		