PowerShell Get-Help on command 'Get-SmbSession'

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

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.

-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.

-ClientComputerName <String[]>

Specifies the client computer name from which the only sessions are

returned.

-ClientUserName <String[]>

Specifies the name of the user whose sessions are retrieved.

-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.

-IncludeHidden [<SwitchParameter>]

Indicates that sessions that are created and used internally are

enumerated also.

-ScopeName <String[]>

Specifies the scope of the sessions being retrieved.

-SessionId <UInt64[]>

Specifies the identifiers (IDs) that uniquely identify the sessions for

which the information is retrieved.

-SmbInstance <SmbInstance>

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

pipe the input to this cmdlet.

-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.

<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 session information --------------

PS C:\>Get-SmbSession

SessionId   ClientComputerName   ClientUserName

     NumOpens

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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. *Page 4/7*

------ 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
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.

REMARKS

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

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

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

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