



python



PowerShell

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PowerShell Get-Help on command 'Get-SmbConnection'

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

NAME

Get-SmbConnection

SYNOPSIS

Retrieves the connections established from the SMB client to the SMB servers.

SYNTAX

```
Get-SmbConnection [[-ServerName] <String[]>] [[-UserName] <String[]>] [-AsJob]
[-CimSession <CimSession[]>] [-SmbInstance {Default | CSV | SBL | SR}]
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-SmbConnection cmdlet retrieves the connections established from the Server Message Block (SMB) client to the SMB servers. Users can connect to an SMB share using credentials different than the associated logon credentials so that there will be a connection listed per share per user logon per credential used.

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.

-ServerName <String[]>

Specifies that the connections made to the server are enumerated.

-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 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.

-UserName <String[]>

Specifies that the connections made by the user are enumerated.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

- Example 1: Get connections from an SMB client to SMB servers -

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

ServerName	ShareName	UserName	Credential
Dialect	NumOpens		
-----	-----	-----	-----
-----	-----		
Contoso-FS1	VMS5	Contoso\Contoso-HV1\$	
Contoso\Contoso-HV1\$	3.00	1	
Contoso-FS1	VMS5	NT VIRTUAL MACHI...	
Contoso\Contoso-HV1\$	3.00	3	
Contoso-FS	VMS1	Contoso\Contoso-HV1\$	
Contoso\Contoso-HV1\$	3.00	1	
Contoso-FS	VMS1	NT VIRTUAL MACHI...	
Contoso\Contoso-HV1\$	3.00	5	
Contoso-SO	VMS3	Contoso\Contoso-HV1\$	
Contoso\Contoso-HV1\$	3.00	1	
Contoso-SO	VMS3	NT VIRTUAL MACHI...	
Contoso\Contoso-HV1\$	3.00	1	
Contoso-SO	VMS3	NT VIRTUAL MACHI...	
Contoso\Contoso-HV1\$	3.00	2	

This command retrieves the connections established from the SMB client to the SMB servers.

----- Example 2: Get connections from an SMB server -----

```
PS C:\>Get-SmbConnection -ServerName Contoso-FS | Select-Object -Property *
```

```
ContinuouslyAvailable : True
```

```
Credential : Contoso\Contoso-HV1$
```

```
Dialect : 3.00
```

Encrypted : False
NumOpens : 1
ServerName : Contoso-FS
ShareName : VMS1
UserName : Contoso\Contoso-HV1\$
PSComputerName :
CimClass : ROOT/Microsoft/Windows/SMB:MSFT_SmbConnection
CimInstanceProperties : {ContinuouslyAvailable, Credential, Dialect,
Encrypted...}
CimSystemProperties :
Microsoft.Management.Infrastructure.CimSystemProperties

ContinuouslyAvailable : True

Credential : Contoso\Contoso-HV1\$

Dialect : 3.00

Encrypted : False

NumOpens : 5

ServerName : Contoso-FS

ShareName : VMS1

UserName : NT VIRTUAL

MACHINE\F357A523-592B-4CA5-B61E-C06D5627E1C9

PSComputerName :

CimClass : ROOT/Microsoft/Windows/SMB:MSFT_SmbConnection

CimInstanceProperties : {ContinuouslyAvailable, Credential, Dialect,
Encrypted...}

CimSystemProperties : Microsoft.Management.Infrastructure.CimSystemProperties

This command retrieves the connections established from the SMB client to the
SMB server named Contoso-FS.

REMARKS

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

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

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

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