



python



PowerShell

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### ***PowerShell Get-Help on command 'Get-SmbClientConfiguration'***

***PS C:\Users\wahid> Get-Help Get-SmbClientConfiguration***

#### NAME

Get-SmbClientConfiguration

#### SYNOPSIS

Retrieves the SMB client configuration.

#### SYNTAX

```
Get-SmbClientConfiguration [-AsJob] [-CimSession <CimSession[]>  
[-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

#### DESCRIPTION

The `Get-SmbClientConfiguration` cmdlet retrieves the Server Message Block (SMB) client configuration.

#### 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.

`-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.

`-Confirm [<SwitchParameter>]`

Prompts you for confirmation before running the cmdlet.

`-WhatIf [<SwitchParameter>]`

Shows what would happen if the cmdlet runs. The cmdlet is not run.

`<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 the client configuration -----

`Get-SmbClientConfiguration`

`SkipCertificateCheck` : False

ConnectionCountPerRssNetworkInterface : 4  
DirectoryCacheEntriesMax : 16  
DirectoryCacheEntrySizeMax : 0  
DirectoryCacheLifetime : 10  
DormantFileLimit : 1023  
EnableBandwidthThrottling : True  
EnableByteRangeLockingOnReadOnlyFiles : True  
EnableLargeMtu : True  
EnableLoadBalanceScaleOut : True  
EnableMultiChannel : True  
ExtendedSessionTimeout : 1000  
FileInfoCacheEntriesMax : 64  
FileInfoCacheLifetime : 10  
FileNotFoundCacheEntriesMax : 128  
FileNotFoundCacheLifetime : 5  
ForceSMBEncryptionOverQuic : False  
KeepConn : 600  
MaxCmds : 50  
MaximumConnectionCountPerServer : 32  
OplocksDisabled : False  
SessionTimeout : 60  
UseOpportunisticLocking : True  
WindowSizeThreshold : 1  
EncryptionCiphers : AES\_128\_GCM, AES\_128\_CCM, AES\_256\_GCM,  
AES\_256\_CCM

This command retrieves the SMB client configuration.

> [!NOTE] > The EncryptionCiphers parameter is available beginning with  
2022-06 Cumulative Update for > Microsoft server operating system version 21H2  
for x64-based Systems > ( KB5014665  
(<https://support.microsoft.com/help/5014665>)), and Cumulative Update for  
Windows 11, > version 22H2 ( KB5014668

(<https://support.microsoft.com/help/5014668>)).

## REMARKS

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

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

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

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