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

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

#### **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.

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

-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

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

#### -WhatIf [<SwitchParameter>]

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

Required? false

Position? named

Default value False

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\_SmbClientConfiguration

The MSFT\_SmbClientConfiguration object represents the configuration of the SMB client.

## NOTES

----- 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
FileNotFoundExceptionCacheEntriesMax : 128
FileNotFoundExceptionCacheLifetime : 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>)).

## RELATED LINKS

	Online	Version:
<a href="https://learn.microsoft.com/powershell/module/smbshare/get-smbclientconfiguration?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelp">https://learn.microsoft.com/powershell/module/smbshare/get-smbclientconfiguration?view=windowsserver2022-ps&amp;wt.mc_id=ps-gethelp</a>		
<a href="#">Set-SmbClientConfiguration</a>		