PowerShell Get-Help on command 'Get-SmbServerConfiguration'

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

NAME

   Get-SmbServerConfiguration

SYNOPSIS

   Retrieves the SMB server configuration.

SYNTAX

   Get-SmbServerConfiguration [-AsJob] [-CimSession <CimSession[]>]

   [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

   The `Get-SmbServerConfiguration` cmdlet retrieves the Server Message Block

   (SMB) server 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 SMB server configuration -----------

Get-SmbServerConfiguration

AnnounceComment   :

```
AnnounceServer                          : False

AsynchronousCredits                     : 512

AuditSmb1Access                         : False

AutoDisconnectTimeout                   : 15

AutoShareServer                         : True

AutoShareWorkstation                    : True

CachedOpenLimit                         : 10

DisableSmbEncryptionOnSecureConnection : True

DurableHandleV2TimeoutInSeconds         : 180

EnableAuthenticateUserSharing           : False

EnableDownlevelTimewarp                 : False

EnableForcedLogoff                      : True

EnableLeasing                           : True

EnableMultiChannel                      : True

EnableOplocks                           : True

EnableSecuritySignature                 : False

EnableSMB1Protocol                      : False

EnableSMB2Protocol                      : True

EnableStrictNameChecking                : True

EncryptData                             : False

IrpStackSize                            : 15

KeepAliveTime                           : 2

MaxChannelPerSession                    : 32

MaxMpxCount                             : 50

MaxSessionPerConnection                 : 16384

MaxThreadsPerQueue                      : 20

MaxWorkItems                            : 1

NullSessionPipes                        :

NullSessionShares                       :

OplockBreakWait                         : 35

PendingClientTimeoutInSeconds           : 120

RejectUnencryptedAccess                 : True

RequireSecuritySignature                : False
```

ServerHidden   : True

Smb2CreditsMax   : 8192

Smb2CreditsMin   : 512

SmbServerNameHardeningLevel   : 0

TreatHostAsStableStorage   : False

ValidateAliasNotCircular   : True

ValidateShareScope   : True

ValidateShareScopeNotAliased   : True

ValidateTargetName   : True

RestrictNamedpipeAccessViaQuic   : True

EnableSMBQUIC   : True

EncryptionCiphers   : AES_128_GCM, AES_128_CCM,

AES_256_GCM, AES_256_CCM

This command retrieves the SMB server 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-SmbServerConfiguration -examples".

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

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

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