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Windows PowerShell Get-Help on Cmdlet 'Get-SmbServerConfiguration'

PS:\>Get-HELP Get-SmbServerConfiguration -Full

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.

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_SmbServerConfiguration

The MSFT_SmbServerConfiguration object represents the configuration of the SMB server.

NOTES

----- 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>)).

RELATED LINKS

https://learn.microsoft.com/powershell/module/smbshare/get-smbserverconfiguration?view=windowsserver2022-ps&wt.mc_i_d=ps-gethelp

Set-SmbServerConfiguration