



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Set-SmbBandwidthLimit'

PS C:\Users\wahid> Get-Help Set-SmbBandwidthLimit

NAME

Set-SmbBandwidthLimit

SYNOPSIS

Adds an SMB bandwidth cap.

SYNTAX

```
Set-SmbBandwidthLimit [-AsJob] -BytesPerSecond <UInt64> -Category {Default |  
VirtualMachine | LiveMigration | StorageReplication} [-CimSession  
<CimSession[]>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

DESCRIPTION

The Set-SmbBandwidthLimit cmdlet adds a Server Message Block (SMB) bandwidth cap for the traffic categories that you specify. SMB bandwidth caps limit the amount of data that the server can send for each traffic category.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

-BytesPerSecond <UInt64>

Specifies the maximum number of bytes per second that the server can send for the traffic categories that you specify. You can specify units after the number of bytes, such as KB, MB, and GB. You cannot specify a value smaller than 1MB (1048576 bytes) for this parameter.

-Category <BandwidthLimitCategory>

Specifies an array of categories of the SMB bandwidth limits to add. The acceptable values for this parameter are:

- Default

- VirtualMachine

- LiveMigration

- StorageReplication

-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: Add an SMB limit -----

```
PS C:\> Set-SmbBandwidthLimit -Category Default -BytesPerSecond 100MB
```

This command limits SMB traffic to 100 megabytes per second for traffic that is unrelated to Hyper-V over SMB or Live Migration.

----- Example 2: Add an SMB limit for live migration -----

```
PS C:\> Set-SmbBandwidthLimit -Category LiveMigration -BytesPerSecond 1GB
```

This command limits SMB traffic to 1 gigabyte per second for Live Migration.

REMARKS

To see the examples, type: "get-help Set-SmbBandwidthLimit -examples".

For more information, type: "get-help Set-SmbBandwidthLimit -detailed".

For technical information, type: "get-help Set-SmbBandwidthLimit -full".

For online help, type: "get-help Set-SmbBandwidthLimit -online"

