



Windows PowerShell Get-Help on Cmdlet 'Set-FileIntegrity'

PS:\>Get-HELP Set-FileIntegrity -Full

NAME

Set-FileIntegrity

SYNOPSIS

Sets integrity for a file on an ReFS volume.

SYNTAX

```
Set-FileIntegrity [-FileName] <String> [[-Enable] <Boolean>] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-Enforce <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]
```

DESCRIPTION

The Set-FileIntegrity cmdlet sets integrity for a file on a Resilient File System (ReFS) volume. You can enable or disable integrity.

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/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.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

`-Confirm [<SwitchParameter>]`

Prompts you for confirmation before running the cmdlet.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

`-Enable <Boolean>`

Indicates whether to enable integrity for the file.

Required? false
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Enforce <Boolean>

Indicates whether to enable blocking access to a file if integrity streams indicate data corruption.

If you specify a value of \$True for this parameter, the cmdlet also enables integrity for the file.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-FileName <String>

Specifies a file name. The cmdlet modifies integrity for the file that you specify.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.IO.FileInfo

To obtain a FileInfo object, use the `Get-Item (https://go.microsoft.com/fwlink/?LinkID=290495)` cmdlet for a specified file name. The cmdlet uses the FullName property as the value of the FileName parameter.

System.IO.DirectoryInfo

To obtain a DirectoryInfo object, use `Get-Item` for a specified directory name. The cmdlet uses the FullName property as the value of the FileName parameter.

OUTPUTS

None

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

----- Example 1: Enable integrity -----

```
PS C:\>Set-FileIntegrity -FileName 'H:\Temp\New Text Document.txt' -Enable $True
```

```
PS C:\> Get-FileIntegrity 'H:\Temp\New Text Document.txt'
```

FileName	Enabled	Enforced
-----	-----	-----
H:\Temp\New Text Document.txt	True	True

The first command enables integrity for a file by specifying the Enable parameter.

The second command uses the Get-FileIntegrity cmdlet to display the file integrity settings for the specified file.

Example 2: Enable integrity for multiple files by using the pipeline

```
PS C:\>Get-Item -Path 'H:\Temp\*' | Set-FileIntegrity -Enable $True
```

```
PS C:\> Get-Item -Path 'H:\Temp\*' | Get-FileIntegrity
```

FileName	Enabled	Enforced
-----	-----	-----
H:\Temp\New Text Document 07 21	True	True
H:\Temp\New Text Document 08 19	True	True

H:\Temp\New Text Document 08 22 True True

H:\Temp\New Text Document 09 07 True True

The first command uses the `Get-Item` (<https://go.microsoft.com/fwlink/?LinkID=290495>) cmdlet to get all the files in the specified folder, and then passes them to the

current cmdlet by using the pipeline operator. For more information, type ``Get-Help Get-Item``. The command enables integrity for each file in the directory.

The second command uses `Get-Item` to get all the files in the specified folder, and then passes them to the `Get-FileIntegrity` by using the pipeline operator. The

command displays the file integrity setting for all the files in the folder.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/storage/set-fileintegrity?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

[Get-FileIntegrity](#)

[Repair-FileIntegrity](#)