



python



PowerShell

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### **PowerShell Get-Help on command 'Set-FileIntegrity'**

**PS C:\Users\wahid> Get-Help Set-FileIntegrity**

#### 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.

**-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.

**-Confirm [<SwitchParameter>]**

Prompts you for confirmation before running the cmdlet.

**-Enable <Boolean>**

Indicates whether to enable integrity for the file.

**-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.

**-FileName <String>**

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

**-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.

-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: 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.

## REMARKS

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

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

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

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

