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### ***Windows PowerShell Get-Help on Cmdlet 'Get-FileIntegrity'***

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

#### **NAME**

Get-FileIntegrity

#### **SYNOPSIS**

Gets integrity information for a file on an ReFS volume.

#### **SYNTAX**

```
Get-FileIntegrity [-FileName] <String> [-AsJob] [-CimSession] <CimSession[]> [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

#### **DESCRIPTION**

The Get-FileIntegrity cmdlet gets integrity information for a file on a Resilient File System (ReFS) volume.

#### **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

-FileName <String>

Specifies a file name. The cmdlet gets integrity settings 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

#### <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

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

### MSFT\_FileIntegrity

This cmdlet generates an MSFT\_FileIntegrity object.

## NOTES

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

----- Example 1: Get file integrity information -----

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

FileName	Enabled	Enforced
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H:\Temp\New Text Document.txt	False	True
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This command gets file integrity information for a file.

Example 2: Get file integrity information for multiple files by using the pipeline

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

FileName	Enabled	Enforced
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H:\Temp\New Text Document 07 21	False	True
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H:\Temp\New Text Document 08 19	False	True
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H:\Temp\New Text Document 08 22	False	True
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H:\Temp\New Text Document 09 07	False	True
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This 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 gets file integrity information for all the files in the folder.

## RELATED LINKS

[https://learn.microsoft.com/powershell/module/storage/get-fileintegrity?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/storage/get-fileintegrity?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Repair-FileIntegrity

Set-FileIntegrity