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

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

NAME

   Repair-FileIntegrity

SYNOPSIS

   Repairs a corrupted file on an NTFS or ReFS volume.

SYNTAX

   Repair-FileIntegrity [-FileName] <String> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ThrottleLimit <Int32>]

[-WhatIf] [<CommonParameters>]

DESCRIPTION

   The Repair-FileIntegrity cmdlet repairs a corrupted file on an NTFS file system volume or a Resilient File System (ReFS)

volume. For the cmdlet to repair a file, the

   file must be on a storage volume that provides redundancy, and the file must have integrity turned on. This cmdlet does

not repair corrupted file metadata.

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

-FileName <String>

   Specifies a file name. The cmdlet attempts to repair 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 PowerShellr 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).

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: Repair a file -------------------

  PS C:\>Repair-FileIntegrity -FileName 'H:\Temp\Text Document.txt'

  This command repairs a file. Because the repair proceeds without error, the cmdlet does not display any message.

  - Example 2: Attempt to repair a file that cannot be repaired -

  PS C:\>Repair-FileIntegrity -FileName 'J:\Temp\Text Document.txt'

  Repair-FileIntegrity : The storage device does not provide redundancy.

This command attempts to repair a file. In this example, the cmdlet cannot repair the file and therefore displays an explanation.

RELATED LINKS

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

Get-FileIntegrity

Set-FileIntegrity