Windows PowerShell Get-Help on Cmdlet 'New-FileCatalog'

PS:\>Get-HELP New-FileCatalog -Full

NAME

New-FileCatalog

SYNOPSIS

`New-FileCatalog` creates a catalog file of file hashes that can be used to validate the authenticity of a file.

SYNTAX

New-FileCatalog [-CatalogFilePath] <System.String> [[-Path] <System.String[]>] [-CatalogVersion <System.Int32>]
[-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

`New-FileCatalog` creates a Windows catalog file (/windows-hardware/drivers/install/catalog-files)for a set of folders and
files. This catalog file contains hashes

for all files in the provided paths. Users can then distribute the catalog with their files so that users can validate whether
any changes have been made to the

folders since catalog creation time.

Catalog versions 1 and 2 are supported. Version 1 uses the (deprecated) SHA1 hashing algorithm to create file hashes,

and version 2 uses SHA256.

PARAMETERS

  -CatalogFilePath <System.String>

     A path to a file or folder where the catalog file (.cat) should be placed. If a folder path is specified, the default filename `catalog.cat` will be used.

    Required?   true

    Position?   0

    Default value   None

    Accept pipeline input?   True (ByPropertyName, ByValue)

    Accept wildcard characters? false

  -CatalogVersion <System.Int32>

     Accepts `1.0` or `2.0` as possible values for specifying the catalog version. `1.0` should be used avoided whenever possible, as it uses the insecure SHA-1 hash

    algorithm, while `2.0` uses the secure SHA-256 algorithm However, `1.0` is the only supported algorithm on Windows 7 and Server 2008R2.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

  -Path <System.String[]>

     Accepts a path or array of paths to files or folders that should be included in the catalog file. If a folder is specified, all the files in the folder will be

    included as well.

    Required?   false

    Position?   1

Default value   None

Accept pipeline input?   True (ByPropertyName, ByValue)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.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.String

You can pipe a string that is used as the catalog filename to this cmdlet.

OUTPUTS

System.IO.FileInfo

This cmdlet returns a FileInfo object representing the created catalog.

NOTES

This cmdlet is only available on Windows platforms.

Example 1: Create a file catalog for `Microsoft.PowerShell.Utility`

New-FileCatalog -Path $PSHOME\Modules\Microsoft.PowerShell.Utility -CatalogFilePath \temp\Microsoft.PowerShell.Utility.cat -CatalogVersion 2.0

```
Mode          LastWriteTime       Length Name
----          -------------       ------ ----
-a----        11/2/2018 11:58 AM      950 Microsoft.PowerShell.Utility.cat
```

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/microsoft.powershell.security/new-filecatalog?view=powershell-5.1&WT.mc_id=ps-gethelp

Test-FileCatalog

PowerShellGet