



python



PowerShell

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PowerShell Get-Help on command 'Test-FileCatalog'

PS C:\Users\wahid> Get-Help Test-FileCatalog

NAME

Test-FileCatalog

SYNOPSIS

`Test-FileCatalog` validates whether the hashes contained in a catalog file (.cat) matches the hashes of the actual files in order to validate their authenticity.

This cmdlet is only supported on Windows.

SYNTAX

```
Test-FileCatalog [-CatalogFilePath] <System.String> [[-Path]
<System.String[]>] [-Detailed] [-FilesToSkip <System.String[]>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

DESCRIPTION

`Test-FileCatalog` validates the authenticity of files by comparing the file hashes of a catalog file (.cat) with the hashes of actual files on disk. If it detects any mismatches, it returns the status as ValidationFailed. Users can

retrieve all this information by using the -Detailed parameter. It also displays signing status of catalog in Signature property which is equivalent to calling `Get-AuthenticodeSignature` cmdlet on the catalog file. Users can also skip any file during validation by using the -FilesToSkip parameter.

This cmdlet is only supported on Windows.

PARAMETERS

-CatalogFilePath <System.String>

A path to a catalog file (.cat) that contains the hashes to be used for validation.

-Detailed <System.Management.Automation.SwitchParameter>

Returns more information a more detailed `CatalogInformation` object that contains the files tested, their expected/actual hashes, and an Authenticode signature of the catalog file if it's signed.

-FilesToSkip <System.String[]>

An array of paths that should not be tested as part of the validation.

-Path <System.String[]>

A folder or array of files that should be validated against the catalog file.

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

-WhatIf <System.Management.Automation.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: Create and validate a file catalog -----

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

```
Test-FileCatalog -CatalogFilePath \temp\Microsoft.PowerShell.Utility.cat -Path  
"$PSHome\Modules\Microsoft.PowerShell.Utility\"
```

Valid

--- Example 2: Validate a file catalog with detailed output ---

```
Test-FileCatalog -Detailed -CatalogFilePath  
\temp\Microsoft.PowerShell.Utility.cat -Path  
"$PSHome\Modules\Microsoft.PowerShell.Utility\"
```

Status : Valid

HashAlgorithm : SHA256

CatalogItems : {[Microsoft.PowerShell.Utility.psd1,

A7028BD54018AE519381CDF5BF91F3B0417BD9345478086089ACBFAD05C899FC],

[Microsoft.PowerShell.Utility.psm1,

1127E8151FB86BCB683F932E8F6538552F7195816ED351A28AE07A753B8F20DE]}

PathItems : {[Microsoft.PowerShell.Utility.psd1,

A7028BD54018AE519381CDF5BF91F3B0417BD9345478086089ACBFAD05C899FC],

[Microsoft.PowerShell.Utility.psm1,

1127E8151FB86BCB683F932E8F6538552F7195816ED351A28AE07A753B8F20DE}}

Signature : System.Management.Automation.Signature

REMARKS

To see the examples, type: "get-help Test-FileCatalog -examples".

For more information, type: "get-help Test-FileCatalog -detailed".

For technical information, type: "get-help Test-FileCatalog -full".

For online help, type: "get-help Test-FileCatalog -online"