



python



PowerShell

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### **PowerShell Get-Help on command 'Get-AuthenticodeSignature'**

**PS C:\Users\wahid> Get-Help Get-AuthenticodeSignature**

#### NAME

Get-AuthenticodeSignature

#### SYNOPSIS

Gets information about the Authenticode signature for a file.

#### SYNTAX

```
Get-AuthenticodeSignature -Content <System.Byte[]> -SourcePathOrExtension  
<System.String[]> [<CommonParameters>]
```

```
Get-AuthenticodeSignature [-FilePath] <System.String[]> [<CommonParameters>]
```

```
Get-AuthenticodeSignature -LiteralPath <System.String[]> [<CommonParameters>]
```

#### DESCRIPTION

The `Get-AuthenticodeSignature` cmdlet gets information about the Authenticode signature for a file or file content as a byte array. If the file is both embedded signed and Windows catalog signed, the Windows catalog signature is used. If the file is not signed, the information is retrieved, but the fields

are blank.

## PARAMETERS

### -Content <System.Byte[]>

Contents of a file as a byte array for which the Authenticode signature is retrieved. This parameter must be used with SourcePathOrExtension parameter. The contents of the file must be in Unicode (UTF-16LE) format.

### -FilePath <System.String[]>

Specifies the path to the file to examine. Wildcards are permitted, but they must lead to a single file. It is not necessary to type FilePath at the command line when you specify a value for this parameter.

### -LiteralPath <System.String[]>

Specifies the path to the file being examined. Unlike FilePath , the value of the LiteralPath parameter is used exactly as it is typed. No characters are interpreted as wildcards. If the path includes an escape character, enclose it in single quotation marks. Single quotation marks tell PowerShell not to interpret any characters as escape characters.

### -SourcePathOrExtension <System.String[]>

Path to the file or file type of the content for which the Authenticode signature is retrieved. This parameter is used with Content where file content is passed as a byte array.

### <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>).

```
Get-AuthenticodeSignature -FilePath "C:\Test\NewScript.ps1"
```

This command gets information about the Authenticode signature in the NewScript.ps1 file. It uses the FilePath parameter to specify the file.

- Example 2: Get the Authenticode signature for multiple files -

```
Get-AuthenticodeSignature test.ps1, test1.ps1, sign-file.ps1, makexml.ps1
```

This command gets information about the Authenticode signature for the four files listed at the command line. In this example, the name of the FilePath parameter, which is optional, is omitted.

Example 3: Get only valid Authenticode signatures for multiple files

```
Get-ChildItem $PSHOME\*. * | ForEach-object {Get-AuthenticodeSignature $_} |  
Where-Object {$_.status -eq "Valid"}
```

This command lists all of the files in the `\$PSHOME` directory that have a valid Authenticode signature. The `\$PSHOME` automatic variable contains the path to the PowerShell installation directory.

The command uses the `Get-ChildItem` cmdlet to get the files in the `\$PSHOME` directory. It uses a pattern of `.\*` to exclude directories (although it also excludes files without a dot in the filename).

The command uses a pipeline operator (`|`) to send the files in `\$PSHOME` to the `ForEach-Object` cmdlet, where `Get-AuthenticodeSignature` is called for each file.

The results of the `Get-AuthenticodeSignature` command are sent to a `Where-Object` command that selects only the signature objects with a status of Valid.

Example 4: Get the Authenticode signature for a file content specified as byte

array

```
Get-AuthenticodeSignature -Content (Get-Content foo.ps1 -AsByteStream)  
-SourcePathorExtension ps1
```

This command gets information about the Authenticode signature for the content of a file. In this example, the file extension is specified along with the content of the file.

#### REMARKS

To see the examples, type: "get-help Get-AuthenticodeSignature -examples".

For more information, type: "get-help Get-AuthenticodeSignature -detailed".

For technical information, type: "get-help Get-AuthenticodeSignature -full".

For online help, type: "get-help Get-AuthenticodeSignature -online"