



WiX managed SDK

WixToolset.Dtf.Compression namespace

ArchiveInfo Class

ArchiveInfo Class

Abstract object representing a compressed archive on disk; provides access to file-based operations on the archive.

Methods

Method	Description
<code>CopyTo(destFileName)</code>	Copies an existing archive to another location.
<code>CopyTo(destFileName, overwrite)</code>	Copies an existing archive to another location, optionally overwriting the destination file.
<code>CreateCompressionEngine()</code>	Creates a compression engine that does the low-level work for this object.
<code>Delete()</code>	Deletes the archive.
<code>GetFiles()</code>	Gets information about the files contained in the archive.
<code>GetFiles(searchPattern)</code>	Gets information about the certain files contained in the archive file.
<code>IsValid()</code>	Checks if the archive contains a valid archive header.

Method	Description
<code>MoveTo(destFileName)</code>	Moves an existing archive to another location.
<code>OpenRead(fileName)</code>	Opens a file inside the archive for reading without actually extracting the file to disk.
<code>OpenText(fileName)</code>	Opens a file inside the archive for reading text with UTF-8 encoding without actually extracting the file to disk.
<code>Pack(sourceDirectory)</code>	Compresses all files in a directory into the archive. Does not include subdirectories.
<code>ToString()</code>	Gets the full path of the archive.
<code>Unpack(destDirectory)</code>	Extracts all files from an archive to a destination directory.
<code>UnpackFile(fileName, destFileName)</code>	Extracts a single file from the archive.

Properties

Property	Description
<code>Directory</code>	Gets the directory that contains the archive.
<code>DirectoryName</code>	Gets the full path of the directory that contains the archive.

Property	Description
Exists	Checks if the archive exists.
Length	Gets the size of the archive.
Name	Gets the file name of the archive.

WixToolset.Dtf.Compression.dll version 4.0.2+644ed0118bae1aa885bb6cc906dc6c0b904de4d9

CopyTo(destFileName) Method

Copies an existing archive to another location.

Declaration

```
public void CopyTo(  
    string destFileName  
)
```

Parameters

Parameter	Type	Description
-----------	------	-------------

Parameter	Type	Description
destFileName	string	The destination file path.

CopyTo(destFileName, overwrite) Method

Copies an existing archive to another location, optionally overwriting the destination file.

Declaration

```
public void CopyTo(  
    string destFileName,  
    bool overwrite  
)
```

Parameters

Parameter	Type	Description
destFileName	string	The destination file path.
overwrite	bool	If true, the destination file will be overwritten if it exists.

CreateCompressionEngine() Method

Creates a compression engine that does the low-level work for this object.

Declaration

```
protected CompressionEngine CreateCompressionEngine()
```

Return value

`CompressionEngine` A new compression engine instance that matches the specific subclass of archive.

Remarks

Each instance will be «see `M:WixToolset.Dtf.Compression.CompressionEngine.Dispose`» d immediately after use.

Delete() Method

Deletes the archive.

Declaration

```
public void Delete()
```

GetFiles() Method

Gets information about the files contained in the archive.

Declaration

```
public IList<WixToolset.Dtf.Compression.ArchiveFileInfo> GetFiles()
```

Return value

`IList<WixToolset.Dtf.Compression.ArchiveFileInfo>` A list of «see `T:WixToolset.Dtf.Compression.ArchiveFileInfo`» objects, each containing information about a file in the archive.

GetFiles(searchPattern) Method

Gets information about the certain files contained in the archive file.

Declaration

```
public IList<WixToolset.Dtf.Compression.ArchiveFileInfo> GetFiles(  
    string searchPattern  
)
```

Parameters

Parameter	Type	Description
searchPattern	string	The search string, such as "*.txt".

Return value

`IList<WixToolset.Dtf.Compression.ArchiveFileInfo>` A list of «see `T:WixToolset.Dtf.Compression.ArchiveFileInfo`» objects, each containing information about a file in the archive.

IsValid() Method

Checks if the archive contains a valid archive header.

Declaration

```
public bool IsValid()
```

Return value

`bool` True if the file is a valid archive; false otherwise.

MoveTo(destFileName) Method

Moves an existing archive to another location.

Declaration

```
public void MoveTo(  
    string destFileName  
)
```

Parameters

Parameter	Type	Description
destFileName	string	The destination file path.

OpenRead(fileName) Method

Opens a file inside the archive for reading without actually extracting the file to disk.

Declaration

```
public System.IO.Stream OpenRead(  
    string fileName  
)
```


Parameters

Parameter	Type	Description
fileName	string	The name of the file in the archive. Also includes the internal path of the file, if any. File name matching is case-insensitive.

Return value

`System.IO.Stream` A stream for reading directly from the packed file. Like any stream this should be closed/disposed as soon as it is no longer needed.

OpenText(fileName) Method

Opens a file inside the archive for reading text with UTF-8 encoding without actually extracting the file to disk.

Declaration

```
public System.IO.StreamReader OpenText(  
    string fileName  
)
```

Parameters

Parameter	Type	Description
fileName	string	The name of the file in the archive. Also includes the internal path of the file, if any. File name matching is case-insensitive.

Return value

`System.IO.StreamReader` A reader for reading text directly from the packed file. Like any reader this should be closed/disposed as soon as it is no longer needed.

Remarks

To open an archived text file with different encoding, use the «see `M:WixToolset.Dtf.Compression.ArchiveInfo.OpenRead(System.String)`» method and pass the returned stream to one of the «see `T:System.IO.StreamReader`» constructor overloads.

Pack(sourceDirectory) Method

Compresses all files in a directory into the archive. Does not include subdirectories.

Declaration

Parameters

```
public void Pack(  
    string sourceDirectory  
)
```

Remarks

Uses maximum compression level.

ToString() Method

Gets the full path of the archive.

Declaration

```
public string ToString()
```

Return value

`string` The full path of the archive.

Unpack(destDirectory) Method

Extracts all files from an archive to a destination directory.

Declaration

```
public void Unpack(  
    string destDirectory  
)
```

Parameters

Parameter	Type	Description
destDirectory	string	Directory where the files are to be extracted.

UnpackFile(fileName, destFileName) Method

Extracts a single file from the archive.

Declaration

```
public void UnpackFile(  
    string fileName,  
    string destFileName  
)
```

Parameters

Parameter	Type	Description
fileName	string	The name of the file in the archive. Also includes the internal path of the file, if any. File name matching is case-insensitive.
destFileName	string	The path where the file is to be extracted on disk.

Remarks

If *destFileName* already exists, it will be overwritten.

Directory Property

Gets the directory that contains the archive.

Declaration

```
public System.IO.DirectoryInfo Directory { get; set; }
```

DirectoryName Property

Gets the full path of the directory that contains the archive.

Declaration

```
public string DirectoryName { get; set; }
```

Exists Property

Checks if the archive exists.

Declaration

```
public bool Exists { get; set; }
```

Length Property

Gets the size of the archive.

Declaration

```
public System.Int64 Length { get; set; }
```

Name Property

Gets the file name of the archive.

Declaration

```
public string Name { get; set; }
```