🏠   WiX managed SDK   WixToolset.Dtf.Compression namespace   ArchiveFileInfo Class

ArchiveFileInfo Class

Abstract object representing a compressed file within an archive; provides operations for getting the file properties and unpacking the file.

Methods

Method	Description
CopyTo(destFileName)	Extracts the file.
CopyTo(destFileName, overwrite)	Extracts the file, optionally overwriting any existing file.
Delete()	Deletes the file. NOT SUPPORTED.
GetObjectData(info, context)	Sets the SerializationInfo with information about the archive.
OpenRead()	Opens the archive file for reading without actually extracting the file to disk.
OpenText()	Opens the archive file reading text with UTF-8 encoding without actually extracting the file to disk.

Method	Description
Refresh()	Refreshes the attributes and other cached information about the file, by re-reading the information from the archive.
Refresh(newFileInfo)	Refreshes the information in this object with new data retrieved from an archive.
ToString()	Gets the full path to the file.

Properties

Property	Description
Archive	Gets or sets the archive that contains this file.
ArchiveName	Gets the full path of the archive that contains this file.
ArchiveNumber	Gets the number of the archive where this file starts.
Attributes	Gets the attributes of the file.
Exists	Checks if the file exists within the archive.
FullName	Gets the full path to the file.

Property	Description
LastWriteTime	Gets the last modification time of the file.
Length	Gets the uncompressed size of the file.
Name	Gets the name of the file.
Path	Gets the internal path of the file in the archive.

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

CopyTo(destFileName) Method

Extracts the file.

Declaration

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

Parameters

Parameter	Type	Description
destFileName	string	The destination path where the file will be extracted.

CopyTo(destFileName, overwrite) Method

Extracts the file, optionally overwriting any existing file.

Declaration

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

Parameters

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

Exceptions

Exception	Description
T:System.IO.IOException	is false
and exists.	

Delete() Method

Deletes the file. NOT SUPPORTED.

Declaration

```
public void Delete()
```

Exceptions

Exception	Description
T:System.NotSupportedException	Files cannot be deleted
from an existing archive.	

GetObjectData(info, context) Method

Sets the SerializationInfo with information about the archive.

Declaration

```
public void GetObjectData(
    System.Runtime.Serialization.SerializationInfo info,
    System.Runtime.Serialization.StreamingContext context
)
```

Parameters

Parameter	Type	Description
info	System.Runtime.Serialization.SerializationInfo	The SerializationInfo that holds the serialized object data.
context	System.Runtime.Serialization.StreamingContext	The StreamingContext that contains contextual information about the source or destination.

OpenRead() Method

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

Declaration

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

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() Method

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

Declaration

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

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.ArchiveFileInfo.OpenRead» method and pass the returned stream to one of the «see T:System.IO.StreamReader» constructor overloads.

Refresh() Method

Refreshes the attributes and other cached information about the file, by re-reading the information from the archive.

Declaration

```
public void Refresh()
```

Refresh(newFileInfo) Method

Refreshes the information in this object with new data retrieved from an archive.

Declaration

```
protected void Refresh(
    ArchiveFileInfo newFileInfo
)
```

Parameters

Parameter	Type	Description
newFileInfo	ArchiveFileInfo	Fresh instance for the same file just read from the archive.

Remarks

Subclasses may override this method to refresh sublcass fields. However they should always call the base implementation first.

ToString() Method

Gets the full path to the file.

Declaration

```
public string ToString()
```

Return value

`string` The same as «see P:WixToolset.Dtf.Compression.ArchiveFileInfo.FullName»

Archive Property

Gets or sets the archive that contains this file.

Declaration

```
public ArchiveInfo Archive { get; set; }
```

ArchiveName Property

Gets the full path of the archive that contains this file.

Declaration

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

ArchiveNumber Property

Gets the number of the archive where this file starts.

Declaration

```
public int ArchiveNumber { get; set; }
```

Remarks

A single archive or the first archive in a chain is numbered 0.

Attributes Property

Gets the attributes of the file.

Declaration

```
public System.IO.FileAttributes Attributes { get; set; }
```

Exists Property

Checks if the file exists within the archive.

Declaration

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

FullName Property

Gets the full path to the file.

Declaration

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

Remarks

For example, the path `"C:\archive.cab\file.txt"` refers to a file "file.txt" inside the archive "archive.cab".

LastWriteTime Property

Gets the last modification time of the file.

Declaration

```
public System.DateTime LastWriteTime { get; set; }
```

Length Property

Gets the uncompressed size of the file.

Declaration

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

Gets the name of the file.

Declaration

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

Path Property

Gets the internal path of the file in the archive.

Declaration

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