



WiX managed SDK

WixToolset.Dtf.Compression namespace

IUnpackStreamContext Interface

IUnpackStreamContext Interface

This interface provides the methods necessary for the «see T:WixToolset.Dtf.Compression.CompressionEngine» to open and close streams for archives and files. The implementor of this interface can use any kind of logic to determine what kind of streams to open and where

Methods

Method	Description
<code>CloseArchiveReadStream(archiveNumber, archiveName, stream)</code>	Closes a stream where an archive package was read.
<code>CloseFileWriteStream(path, stream, attributes, lastWriteTime)</code>	Closes a stream where an extracted file was written.
<code>OpenArchiveReadStream(archiveNumber, archiveName, compressionEngine)</code>	Opens the archive stream for reading.
<code>OpenFileWriteStream(path, fileSize, lastWriteTime)</code>	Opens a stream for writing extracted file bytes.

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

CloseArchiveReadStream(**archiveNumber**, **archiveName**, **stream**) Method

Closes a stream where an archive package was read.

Declaration

```
public void CloseArchiveReadStream(  
    int archiveNumber,  
    string archiveName,  
    System.IO.Stream stream  
)
```

Parameters

Parameter	Type	Description
archiveNumber	int	The archive number of the stream to close.
archiveName	string	The name of the archive being closed.
stream	System.IO.Stream	The stream that was previously returned by and is now ready to be closed.

CloseFileWriteStream(**path**, **stream**, **attributes**, **lastWriteTime**)

Method

Closes a stream where an extracted file was written.

Declaration

```
public void CloseFileWriteStream(  
    string path,  
    System.IO.Stream stream,  
    System.IO.FileAttributes attributes,  
    System.DateTime lastWriteTime  
)
```

Parameters

Parameter	Type	Description
path	string	The path of the file within the archive.
stream	System.IO.Stream	The stream that was previously returned by and is now ready to be closed.
attributes	System.IO.FileAttributes	The attributes of the extracted file.
lastWriteTime	System.DateTime	The last write time of the file.

Remarks

The implementor may wish to apply the attributes and date to the newly-extracted file.

OpenArchiveReadStream(**archiveNumber**, **archiveName**, **compressionEngine**) Method

Opens the archive stream for reading.

Declaration

```
public System.IO.Stream OpenArchiveReadStream(  
    int archiveNumber,  
    string archiveName,  
    CompressionEngine compressionEngine  
)
```

Parameters

Parameter	Type	Description
archiveNumber	int	The zero-based index of the archive to open.
archiveName	string	The name of the archive being opened.

Parameter	Type	Description
compressionEngine	CompressionEngine	Instance of the compression engine doing the operations.

Return value

`System.IO.Stream` A stream from which archive bytes are read, or null to cancel extraction of the archive.

Remarks

When the first archive in a chain is opened, the name is not yet known, so the provided value will be an empty string. When opening further archives, the provided value is the next-archive name stored in the previous archive. This name is often, but not necessarily, the same as the filename of the archive package to be opened. If this method returns null, the archive engine will throw a `FileNotFoundException`.

OpenFileWriteStream(path, fileSize, lastWriteTime) Method

Opens a stream for writing extracted file bytes.

Declaration

```
public System.IO.Stream OpenFileWriteStream(  
    string path,  
    System.Int64 fileSize,  
    System.DateTime lastWriteTime
```

```
)
```

Parameters

Parameter	Type	Description
path	string	The path of the file within the archive. This is often, but not necessarily, the same as the relative path of the file outside the archive.
fileSize	System.Int64	The uncompressed size of the file to be extracted.
lastWriteTime	System.DateTime	The last write time of the file to be extracted.

Return value

`System.IO.Stream` A stream where extracted file bytes are to be written, or null to skip extraction of the file and continue to the next file.

Remarks

The implementor may use the path, size and date information to dynamically decide whether or not the file should be extracted.