



WiX managed SDK

WixToolset.Dtf.Compression namespace

CargoStream Class

CargoStream Class

Wraps a source stream and carries additional items that are disposed when the stream is closed.

Methods

Method	Description
<code>Close()</code>	Closes the source stream and also closes the additional objects that are carried.
<code>Flush()</code>	Flushes the source stream.
<code>Read(buffer, offset, count)</code>	Reads from the source stream.
<code>Seek(offset, origin)</code>	Changes the position of the source stream.
<code>SetLength(value)</code>	Sets the length of the source stream.
<code>Write(buffer, offset, count)</code>	Writes to the source stream.

Properties

Property	Description
CanRead	Gets a value indicating whether the source stream supports reading.
CanSeek	Gets a value indicating whether the source stream supports seeking.
CanWrite	Gets a value indicating whether the source stream supports writing.
Cargo	Gets the list of additional items that are disposed when the stream is closed. The order of the list is the order in which the items are disposed. The contents can be modified any time.
Length	Gets the length of the source stream.
Position	Gets or sets the position of the source stream.
Source	Gets the source stream of the cargo stream.

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

Close() Method

Closes the source stream and also closes the additional objects that are carried.

Declaration

```
public void Close()
```

Flushes the source stream.

Declaration

```
public void Flush()
```

Read(buffer, offset, count) Method

Reads from the source stream.

Declaration

```
public int Read(  
    System.Byte[] buffer,  
    int offset,  
    int count  
)
```

Parameters

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

Parameter	Type	Description
buffer	System.Byte[]	An array of bytes. When this method returns, the buffer contains the specified byte array with the values between offset and (offset + count - 1) replaced by the bytes read from the source.
offset	int	The zero-based byte offset in buffer at which to begin storing the data read from the stream.
count	int	The maximum number of bytes to be read from the stream.

Return value

`int` The total number of bytes read into the buffer. This can be less than the number of bytes requested if that many bytes are not currently available, or zero (0) if the end of the stream has been reached.

Seek(offset, origin) Method

Changes the position of the source stream.

Declaration

```
public System.Int64 Seek(  
    System.Int64 offset,  
    System.IO.SeekOrigin origin  
)
```

Parameters

Parameter	Type	Description
offset	System.Int64	A byte offset relative to the origin parameter.
origin	System.IO.SeekOrigin	A value of type SeekOrigin indicating the reference point used to obtain the new position.

Return value

`System.Int64` The new position within the stream.

SetLength(value) Method

Sets the length of the source stream.

Declaration

```
public void SetLength(  
    System.Int64 value  
)
```

Parameters

Parameter	Type	Description
value	System.Int64	The desired length of the stream in bytes.

Write(buffer, offset, count) Method

Writes to the source stream.

Declaration

```
public void Write(  
    System.Byte[] buffer,  
    int offset,  
    int count  
)
```

Parameters

Parameter	Type	Description
buffer	System.Byte[]	An array of bytes. This method copies count bytes from buffer to the stream.
offset	int	The zero-based byte offset in buffer at which to begin copying bytes to the stream.

Parameter	Type	Description
count	int	The number of bytes to be written to the stream.

CanRead Property

Gets a value indicating whether the source stream supports reading.

Declaration

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

CanSeek Property

Gets a value indicating whether the source stream supports seeking.

Declaration

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

CanWrite Property

Gets a value indicating whether the source stream supports writing.

Declaration

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

Cargo Property

Gets the list of additional items that are disposed when the stream is closed. The order of the list is the order in which the items are disposed. The contents can be modified any time.

Declaration

```
public IList<System.IDisposable> Cargo { get; set; }
```

Length Property

Gets the length of the source stream.

Declaration

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


Position Property

Gets or sets the position of the source stream.

Declaration

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

Source Property

Gets the source stream of the cargo stream.

Declaration

```
public System.IO.Stream Source { get; set; }
```