

[WiX managed SDK](#)[WixToolset.Dtf.Compression.Zip namespace](#)[ZipEngine Class](#)

# ZipEngine Class

Engine capable of packing and unpacking archives in the zip format.

## Methods

| Method                                    | Description  |
|---|--|
| <a href="#">FindArchiveOffset(stream)</a> | Gets the offset of an archive that is positioned 0 or more bytes from the start of the Stream. |
| <a href="#">IsArchive(stream)</a>         | Checks whether a Stream begins with a header that indicates it is a valid archive file.        |

## Properties

| Property                       | Description   |
|--------------------------------|---|
| <a href="#">ArchiveComment</a> | Gets the comment from the last-examined archive, or sets the comment to be added to any created archives. |

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# FindArchiveOffset(stream) Method

Gets the offset of an archive that is positioned 0 or more bytes from the start of the Stream.

## Declaration

```
public System.Int64 FindArchiveOffset(  
    System.IO.Stream stream  
)
```

## Parameters

| Parameter | Type             | Description                       |
|-----------|------------------|-----------------------------------|
| stream    | System.IO.Stream | A stream for reading the archive. |

## Return value

`System.Int64` The offset in bytes of the archive, or -1 if no archive is found in the Stream.

## Remarks

The archive must begin on a 4-byte boundary.

# IsArchive(stream) Method

Checks whether a Stream begins with a header that indicates it is a valid archive file.

## Declaration

```
public bool IsArchive(  
    System.IO.Stream stream  
)
```

## Parameters

| Parameter | Type             | Description                          |
|-----------|------------------|--------------------------------------|
| stream    | System.IO.Stream | Stream for reading the archive file. |

## Return value

**bool** True if the stream is a valid zip archive (with no offset); false otherwise.

# ArchiveComment Property

Gets the comment from the last-examined archive, or sets the comment to be added to any created archives.

## Declaration

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