



# ZipWriter Class

Contains methods to add zip entries, generate a zipped archive, and return the result as an Apex blob.

## Namespace

[Compression](#)

## Example

This sample code compresses email attachments into a single file.

```
Compression.ZipWriter writer = new Compression.ZipWriter();

List<id> contentDocumentIds = new List<id>();

// Add IDs of documents to be compressed to contentDocumentIds

for ( ContentVersion cv : [SELECT PathOnClient, Versiondata
                           FROM ContentVersion
                           WHERE ContentDocumentId IN :contentDocumentIds])
{
    writer.addEntry(cv.PathOnClient, cv.versiondata);
}

blob zipAttachment = writer.getArchive();

Messaging.EmailFileAttachment efa = new Messaging.EmailFileAttachment();
efa.setFileName('attachments.zip');
efa.setBody(zipAttachment);

List<Messaging.EmailFileAttachment> fileAttachments = new List<Messaging.EmailFileAttachment>();
fileAttachments.add(efa);

Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();

// Set all the other email fields, such as addresses, subject, and body

email.setFileAttachments(fileAttachments);

Messaging.sendEmail(new Messaging.SingleEmailMessage[] { email });
```

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## ZipWriter Constructors

The following are constructors for ZipWriter.

- [ZipWriter\(\)](#)  
Creates a new instance of the ZipWriter class.



global ZipWriter()

## ZipWriter Methods

The following are methods for ZipWriter.

- **[addEntry\(name, data\)](#)**  
Adds an entry to the zip file with the specified name and content.
- **[addEntry\(prototype\)](#)**  
Adds a copy of the specified prototype entry to the zip file and includes details such as the zip entry name, comment, last modification time, and content.
- **[addEntry\(name, comment, modTime, method, data\)](#)**  
Adds an entry to the zip file with the specified name, comment, last modification time, compression method, and content.
- **[getArchive\(\)](#)**  
Compresses the zip entries and generates a ZIP archive.
- **[getEntries\(\)](#)**  
Gets a list of all the entries in the zip file.
- **[getEntry\(name\)](#)**  
Gets the entry with the specified name from the zip file.
- **[getEntryNames\(\)](#)**  
Gets a set of all the zip entry names in the zip file.
- **[getLevel\(\)](#)**  
Gets the compression level of the zip file.
- **[getMethod\(\)](#)**  
Gets the compression method of the zip file.
- **[removeEntry\(name\)](#)**  
Removes the entry with the specified name from the zip file.
- **[setLevel\(level\)](#)**  
Sets the compression level of the zip file.
- **[setMethod\(method\)](#)**  
Sets the compression method for the zip file.

### addEntry(name, data)

Adds an entry to the zip file with the specified name and content.

#### Signature

```
public Compression.ZipEntry addEntry(string name, blob data)
```

#### Parameters

*name*

Type: [string](#)

The name of the zip entry.

*data*

Type: [blob](#)

The content of the zip entry.

#### Return Value

Type: [Compression.ZipEntry](#)



Adds a copy of the specified prototype entry to the zip file and includes details such as the zip entry name, comment, last modification time, and content.

#### Signature

```
public Compression.ZipEntry addEntry(Compression.ZipEntry prototype)
```

#### Parameters

*prototype*

Type: [Compression.ZipEntry](#)

Details of the entry to be added to the zip file.

#### Return Value

Type: [Compression.ZipEntry](#)

## addEntry(name, comment, modTime, method, data)

Adds an entry to the zip file with the specified name, comment, last modification time, compression method, and content.

#### Signature

```
public Compression.ZipEntry addEntry(String name, String comment, Datetime modTime, Compression.Method method, Blob data)
```

#### Parameters

*name*

Type: [String](#)

The name of the zip entry.

*comment*

Type: [String](#)

The comment about the zip entry.

*modTime*

Type: [Datetime](#)

The last modification timestamp of the zip entry.

*method*

Type: [Compression.Method](#)

The compression method of the zip entry, which is either `DEFLATED` or `STORED`.

*data*

Type: [Blob](#)

The content of the zip entry.

#### Return Value

Type: [Compression.ZipEntry](#)

Zip entry added to the zip file.

## getArchive()

**Return Value**

Type: [blob](#)

Apex blob that contains the bytes of the compression operation.

## getEntries()

Gets a list of all the entries in the zip file.

**Signature**

```
public List<Compression.ZipEntry> getEntries()
```

**Return Value**

Type: List<[Compression.ZipEntry](#)>

## getEntry(name)

Gets the entry with the specified name from the zip file.

**Signature**

```
public Compression.ZipEntry getEntry(string name)
```

**Parameters**

*name*

Type: [string](#)

Name of the zip entry to be retrieved.

**Return Value**

Type: [Compression.ZipEntry](#)

## getEntryNames()

Gets a set of all the zip entry names in the zip file.

**Signature**

```
public Set<String> getEntryNames()
```

**Return Value**

Type: [Set<String>](#)

## getLevel()

Gets the compression level of the zip file.

**Signature**

```
public Compression.Level getLevel()
```

**Return Value**

Type: [Compression.Level](#)



Gets the compression method of the zip file.

#### Signature

```
public Compression.Method getMethod()
```

#### Return Value

Type: [Compression.Method](#)

Uses the `Method` enum values to indicate the compression method as `DEFLATED` or `STORED`.

## removeEntry(name)

Removes the entry with the specified name from the zip file.

#### Signature

```
public Void removeEntry(string name)
```

#### Parameters

*name*

Type: [string](#)

Name of the zip entry to be removed. If an entry with this name isn't found, the method throws a `ZipException` exception.

#### Return Value

Type: `Void`

## setLevel(level)

Sets the compression level of the zip file.

#### Signature

```
public Compression.ZipWriter setLevel(compression.Level value)
```

#### Parameters

*value*

Type: [Compression.Level](#)

Uses the `Level` enum to set the compression level.

#### Return Value

Type: [Compression.ZipWriter](#)

Returns the zip file set with the specified compression level.

## setMethod(method)

Sets the compression method for the zip file.

#### Signature

```
public Compression.ZipWriter setMethod(compression.Method value)
```

#### Parameters



Return Value

Type: [Compression.ZipWriter](#)

Returns the zip file set with the specified compression method.



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