

# #ZipLib

Version 0.6

## Introduction

Initially I had ported the GNU Classpath ZIP library over to .NET because I needed gzip/zip compression and I didn't want to wrap the C zip library (or to use a zip library wrapper). Now I included bzip2 and tar compression due to popular demand. I did change the name of the library for consistency reasons with other tools and libraries to #ZipLib (speak : SharpZipLib), and I renamed the namespace structure too. Some classes/namespaces were moved for clarity reasons.

The namespace change will affect most existing user, other than that existing classes were bug fixed only (class compatibility was a top priority). Please see doc\changes.txt for more information.

## License

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**Note :** I've changed the exception a bit according to the newest GNU Classpath exception. Old versions did have another exception, but the new one is clearer and it doesn't break compatibility with the old one.

## Building the library

Currently there are two ways to build this library :

**NAnt** (<http://nant.sourceforge.net>)

This is a free makefile replacement, I encourage the use of this free build automation utility. Just run the SharpZiplib.build in the src/ directory. (see the nant documentation for more information about nant)

**SharpDevelop** (<http://www.icsharpcode.net/OpenSource/SD>)

This is a free IDE (I'm the main developer this is my 'primary' project) - give it a try.

## Namespace Layout

ICSharpCode.SharpZipLib.Tar.\*  
Tar implementation

ICSharpCode.SharpZipLib.GZip.\*  
Gzip implementation

ICSharpCode.SharpZipLib.BZip2.\*  
Bzip2 implementation

ICSharpCode.SharpZipLib.Zip  
Zip implementation

ICSharpCode.SharpZipLib.Zip.Compression.Streams  
Inflater/Deflater streams

## Reporting Bugs/Submit Patches

If you want to submit a patch write to [mike@icsharpcode.net](mailto:mike@icsharpcode.net). If it is a bugfix then it is required that you write a unit test demonstrating the bug. If you find a bug send me a case (generally a file that fails) or preferably a unit test demonstrating the bug. I'll try to fix it.

## Credits

#ZipLib has been developed by Mike Krueger ([mike@icsharpcode.net](mailto:mike@icsharpcode.net)), however, much existing Java code helped a lot in speeding the creation of this library. Therefore credits fly out to other people than me.

### Zip/Gzip implementation :

A Java version of the zlib which was originally created by the Free Software Foundation (FSF). So all credits should go to the FSF and the authors who have worked on this piece of code.

Without the zlib authors the Java zlib wouldn't be possible :

Jean-loup Gailly([jloup@gzip.org](mailto:jloup@gzip.org))  
Mark Adler([madler@alumni.caltech.edu](mailto:madler@alumni.caltech.edu))  
and contributors of zlib.

### For the bzip2 implementation :

Julian R Seward

The Java port was done by Keiron Liddle, Aftex Software([keiron@aftexsw.com](mailto:keiron@aftexsw.com))

### Credits for the tar implementation fly out to :

Timothy Gerard Endres([time@gjt.org](mailto:time@gjt.org))

### Special thanks

To Christoph Wille for beta testing, suggestions and the setup of the Web site.