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# Revision History

Changes to the original guide are listed below:

<table>
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<th>Change</th>
<th>Date</th>
<th>Description</th>
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<tr>
<td>Rev A - 01</td>
<td>06/2016</td>
<td>Initial Release.</td>
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# CHAPTER 1 OPEN SOURCE SOFTWARE

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<th>Name</th>
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#ZipLib (Version 0.85.5)

Introduction

#ZipLib is a Zip, GZip, Tar and BZip2 library written entirely in C# for the .NET framework. It is implemented as an
assembly (installable in the GAC), and can easily be incorporated into other projects using any.NET language.

#ZipLib was ported from the GNU Classpath ZIP library for use with #Develop
(http://www.icsharpcode.net/OpenSource/SD) which needed gzip/zip compression. Later bzip2 compression and
tar archiving was added due to popular demand.

There is a web site from which you can download the assembly and or the source code
(http://icsharpcode.net/OpenSource/SharpZipLib). A forum is also available at

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**Building the library**

Currently there are two ways to build this library:

**NAnt** ([http://nant.sourceforge.net](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). Version 0.85 was used during development.

**SharpDevelop** ([http://www.icsharpcode.net/OpenSource/SD](http://www.icsharpcode.net/OpenSource/SD))

This is a free IDE for .NET, the projects are available in the source and samples download. Give it a try.

**Namespace Layout**

<table>
<thead>
<tr>
<th>Namespace</th>
<th>Class</th>
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<tbody>
<tr>
<td>Tar implementation</td>
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</tr>
<tr>
<td>Bzip2 implementation</td>
<td>ISharpCode.SharpZipLib.BZip2.*</td>
</tr>
<tr>
<td>Core utilities / interfaces</td>
<td>ISharpCode.SharpZipLib.Core</td>
</tr>
</tbody>
</table>

**Reporting Bugs/Submit Patches**

If you want to submit a patch write to mike@icsharpcode.net. If it is a bug fix 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 was originally developed by Mike Krueger (mike@icsharpcode.net). However, much existing Java code helped a lot in speeding the creation of this library.

Therefore credits fly out to others.

**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)

Mark Adler(madler@alum.mit.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)
Credits for the tar implementation fly out to:
Timothy Gerard Endres (time@gjt.org)

Special thanks to Christoph Wille for beta testing, suggestions and the setup of the Web site.

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MySQL

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