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 *
 * Reference: Your favorite introductory book on algorithms
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\* list.c: lists handling implementation

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\*

\* A note to trio contributors:

\*

\* Avoid heap allocation at all costs to ensure that the trio functions

\* are async-safe. The exceptions are the printf/fprintf functions,

which

\* uses fputc, and the asprintf functions and the <alloc> modifier,

which

\* by design are required to allocate from the heap.

\*

\*\*\*\*\*/

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\*

\* Functions to handle special quantities in floating-point numbers

\* (that is, NaNs and infinity). They provide the capability to detect

\* and fabricate special quantities.

\*

\* Although written to be as portable as possible, it can never be

\* guaranteed to work on all platforms, as not all hardware supports

\* special quantities.

\*

\* The approach used here (approximately) is to:

\*

\* 1. Use C99 functionality when available.

\* 2. Use IEEE 754 bit-patterns if possible.

\* 3. Use platform-specific techniques.

\*

\*\*\*\*\*/

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```
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version 1.2.11, January 15th, 2017
```

```
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```

```
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```

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Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu
```

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*/
```

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Mesa 3-D graphics library

Version: 7.0

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# MiniZip

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MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1  
64 bits from Mathias Svensson

## Introduction

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MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant  
(<http://www.winimage.com/zLibDll/minizip.html>)

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0. All possible work was done for compatibility.

## Background

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When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

## Changed from MiniZip 1.0 to MiniZip 1.1

- 
- \* Added ZIP64 support for unzip ( by Even Rouault )
  - \* Added ZIP64 support for zip ( by Mathias Svensson )
  - \* Reverted some changed that Even Rouault did.
  - \* Bunch of patches received from Gulles Vollant that he received for MiniZip from various users.
  - \* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
  - \* Added BZIP Compress method for zip
  - \* Did some refactoring and code cleanup
- Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip  
Resources

ZipLayout <http://result42.com/projects/ZipFileLayout> Command line tool for Windows that shows the layout and information of the headers in a zip archive. Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>  
Zip File specification

Notes. \* To be able to use BZip compression method in zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

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