addZIP
Compression Libraries

version 0.1

The easy-to-use, 16- and 32-bit, PKZIP-compatible compression APIs for Windows.
Add, extract, encrypt, decrypt, freshen, update, view, test etc.

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How do I extract files from an archive?

How do I encrypt/decrypt files?

How do I view the contents of an archive?

How can I get feedback from the addZIP Compression Libraries?

How can I repair .ZIP archives?

How do I get started?

Please read the section relevant to your programming language.

Visual Basic

First you should add the addzip??.bas file to your project (where ?? is either 16 or 32). Next add the following lines to the Load event of your main (parent) form (where applicable).

> Dim I as Integer
>
> I = addZIP_SetParentWindowHandle(Me.hWnd)
>
> I = addUNZIP_SetParentWindowHandle(Me.hWnd)

Users may wish to test the return value of these function calls in case there is a problem with setting the Windows handle (this will probably never occur, but you never know). See the function definitions for the reasoning behind these functions.

How do I create an archive?

How do I extract files from an archive?

How do I encrypt/decrypt files?

First of all you must register. Without registering you will only be able to encrypt/decrypt files using the password *Unregistered*.

When you registered, you will have been provided with a registration number. Use this, with the regsitered user name, in function calls to addZIP_Register and/or addUNZIP_Register. Calling addZIP_Encrypt with a password before adding files to an archive will then encrypt all further files added. Use addUNZIP_Decrypt with the appropriate password to extract encypted files from an archive.

N.B. Remember that after calls to addZIP() and addUNZIP(), all defaults will be reset.

How do I view the contents of an archive?

How can I get feedback from the addZIP Compression Libraries?

How can I repair .ZIP archives?

The short answer to this, at the moment, is that you cant. Well not with the *add***ZIP** Compression Libraries. PKWARE provides an excellent zip repair utility with its PKZIP package

Compression functions

addZIP

addZIP_ArchiveName

addZIP_Encrypt

addZIP_Exclude

addZIP_ExcludeListFile

addZIP_Include

addZIP_IncludeListFile

addZIP_Register

addZIP_View

Decompression functions

addUNZIP

addUNZIP_ArchiveName

addUNZIP_Include

addUNZIP_IncludeListFile

addUNZIP_View

addZIP

This function starts the ZIP process going.

Syntax

Parameters

None.

Returns

This function generally returns the number of files processed. If -1 is returned, there is no .ZIP archive name specified. 0 indicates no files have been processed.

Remarks

This function should not be called without first specifying the name of the .ZIP archive (see addZIP_ArchiveName)

Example(s)

addZIP_ArchiveName

addZIP_Encrypt

addZIP_Exclude

addZIP_ExcludeListFile

addZIP_Include

addZIP_IncludeListFile

addZIP_Register

This function registers the addZIP Compression Libraries, allowing the use of your own passwords in the addZIP_Encrypt and addUNZIP_Decrypt functions

Syntax

The syntax for this function is provided in your registration pack.

Parameters

Returns

Remarks

Examples

addZIP_View

Warnings and errors

All warnings and error codes will be passed to the window defined by addZIP_SetWindow and addUNZIP_SetWindow. I have tried to keep the codes the same as those generated by PKZIP/PKUNZIP - registered users should refer to the documentation provided with that excellent software if my descriptions are unclear.

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Registration brings the following benefits

- a diskette with the latest version of the *add***ZIP** Compression Libraries
- a registration number that allows files within an archive to be encrypted/decrypted with your own password
- free upgrades to all later versions
- the right to distribute programs which make use of the *add***ZIP** Compression Libraries (developer and multi-user developer licensees only)

There are three levels of registration (all prices are inclusive of post and packing)

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- *multi-user developer license*. This is for companies where the *add***ZIP** libraries will be used by more than one programmer. There is no limit on the number of users. The cost of this license is 100 UK pounds (160 US dollars).

To register you should send (preferably) a cheque (drawn on a UK bank) to *Stephen Darlington, 5 Clowser Close, Watergardens, Sutton, Surrey SM1 4TP, United Kingdom*. Money (most common denominations) are acceptable but please contact me first, and always send money through registered post. Alternatively US (and other overseas residents) may wish to send a cheque (drawn on a US bank) to *Steve Fulton, 1540 First Street, Manhattan Beach, CA. 90266, USA*.

When registering please provide the following information (where applicable); name, company, address, email address and registered user name.

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If you are unsure about this distribution policy, or wish to discuss any distribution channel not specifically mentioned, please feel free to contact the author.

Please contact the author with your suggestions, bug reports etc. via one of the following contact points:

E-mail: tcrstephen@epidem.icr.ac.uk (until 30th June 1996)

Telephone: UK 0181-643-8078 (evening, answerphone during the day)

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Thanks to everybody who had a hand in producing this software, particularly
⌘   PKWARE, Inc. - for producing the best example of shareware around
⌘   InfoZIP - for releasing the source-code to ZIP/UNZIP providing many answers to my queries on .ZIP structure etc.
⌘   members of the VISBAS-L and WINDEV mailing lists - for offering solutions to all my questions
⌘   Steve Fulton - for being my US contact (and a true ALARMist)
⌘   Mike Peters - for providing the background music.

I thank you all.