Subject: Use zlib inside another library
Posted by mdelfede on Mon, 20 Feb 2017 18:41:43 GMT
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Hi,

I've got a peculiar problem... I'm importing 'libarchive', which I need to decompress various archive formats.
On linux no problems, as usual, we've zlib there.
On windows no zlib, and the libarchive library has 2 options :

1) define HAVE_ZLIB_H, and it will try to include <zlib.h> (which is missing on windows)
2) not define HAVE_ZLIB_H and it will drop support for this kind of compression.

As we've zlib into z package, I wonder if there's a way to use it without having to patch libarchive sources.
I mean... is there a way, from package organizer, to make #include <zlib.h> to use the plugin/z/lib/zlib.h one ?
Possibily without having to hard-code the full path into package organizer, as my libarchive is on a nest OUTSIDE upp folders.
I tried with compiler option -I, but it needs a complete path. Something like providing a $PACKAGE_PATH into package organizer could do the trick, in this case entering something like -I$PACKAGE_PATH("plugin/z")/lib

Subject: Re: Use zlib inside another library
Posted by mdelfede on Mon, 20 Feb 2017 18:45:14 GMT
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anyways, I've seen that putting 'lib' as internal includes for plugin/z package do the trick.
Is it possible to have it as a default on windows ? I think that zlib could be quite useful for other packages too...

Subject: Re: Use zlib inside another library
Posted by mirek on Sat, 04 Mar 2017 16:49:59 GMT
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Sure, but could you send me exact .upp file (or .diff or somethin) so that I am sure I am fixing the right thing?

Subject: Re: Use zlib inside another library
Posted by mdelfede on Tue, 07 Mar 2017 17:36:44 GMT
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Hi Mirek, shure!

Here you have my Archive package (don't look at it too much, is just the bare minimum for what I need, it could be extended to use the whole libarchive library).

The problemi is the usage of ZLIB and BZLIB, already present in UPP; the only way I found to do it is to add an internal include to both packages.

It would be better to find a way to "import" the zlib and bzip code from the Archive package and not the way around as I'm doing now.

Thank you

Massimo

File Attachments

1) Archive.zip, downloaded 395 times

Subject: Re: Use zlib inside another library
Posted by mirek on Tue, 07 Mar 2017 22:27:30 GMT
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Checking archive... there is now a new way how to integrate 3rd party libs like this. Check bazaar/plugin/gdal.

http://www.ultimatepp.org/appideimportext$en-us.html

As to the original problem, I think one way would be to add "zip.h" file to Archive folder which will contain "#include <plugin/z/lib/zlib.h>" and would be picked by this Archive's .ext file.

Mirek
