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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 ?

Possibly 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

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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...

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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?

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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 problem 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 312 times

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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/app\\$ide\\$importtext\\$en-us.html](http://www.ultimatepp.org/app$ide$importtext$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

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