
Subject: Include option for specific package
Posted by [tojocky](#) on Wed, 10 Jun 2009 08:39:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello All,

I didn't find if exist a method for set include option for specific package.

I thing that it is a possibility to add "compiler option" in package organizer, but if exists more explicit method which i do not know, please tell me.

I want continue to develop wrapper xslib package started by Koldo.

This will be great because in include option will be not need to add the full path of include directory, but on compiling process, IDE will add full path. Another opportunity is increasing compilation process: specific include folders by package will set in case the developer will use this packages with specific include option.

In base of xslib package we will add in package organizer for link option only:

- /lib/common
- /lib/xslib
- /lib/oledoc
- /lib/data

This realization can be uses in sdl package too, or in other external plugins.

I hope I was clear

Thank you in advance.

Subject: Re: Include option for specific package
Posted by [koldo](#) on Wed, 10 Jun 2009 14:00:10 GMT
[View Forum Message](#) <> [Reply to Message](#)

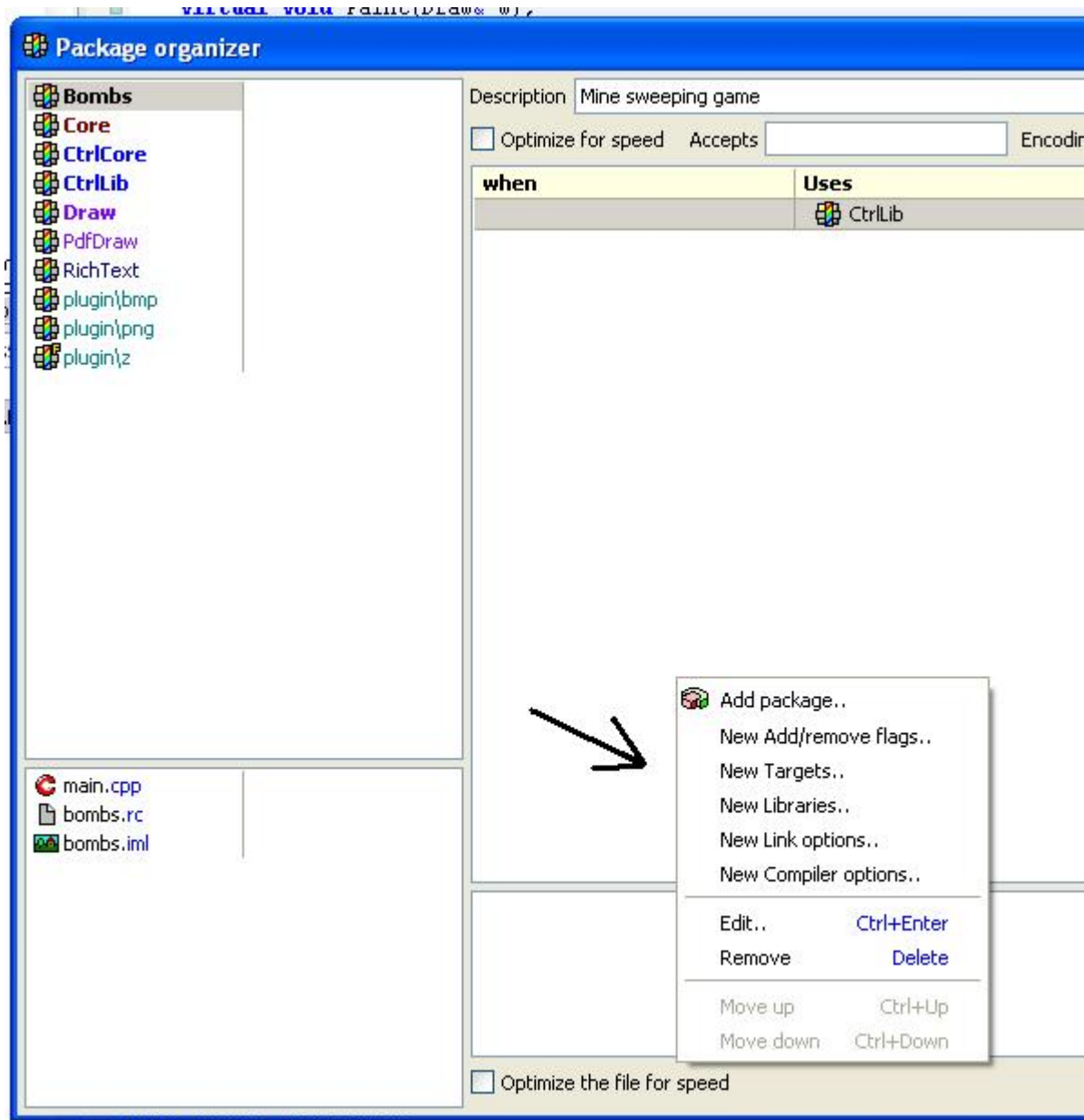
Hello all

Yes I agree. It would be interesting to have in, for example, "Package Organizer", a way to include something like "New Include" in here

Best regards
Koldo

File Attachments

1) [Dib.JPG](#), downloaded 1944 times



Subject: Re: Include option for specific package

Posted by [andrei_natanael](#) on Wed, 10 Jun 2009 14:28:13 GMT

[View Forum Message](#) <> [Reply to Message](#)

It's possible to put new include paths at "New compiler option", so I don't see why have another "Include" option when you can control the compiler so easy.

Subject: Re: Include option for specific package

Posted by [tojocky](#) on Wed, 10 Jun 2009 15:10:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

andrei_natanael wrote on Wed, 10 June 2009 17:28It's possible to put new include paths at "New compiler option", so I don't see why have another "Include" option when you can control the compiler so easy.

In "New compiler option" is possibility to add not full path directory?

Subject: Re: Include option for specific package
Posted by [masu](#) on Wed, 10 Jun 2009 15:15:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

AFAIK, yes:

-I/usr/include

These options are transparently used on the compile command line.

Matthias

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Wed, 10 Jun 2009 15:33:22 GMT
[View Forum Message](#) <> [Reply to Message](#)

masu wrote on Wed, 10 June 2009 18:15AFAIK, yes:

-I/usr/include

These options are transparently used on the compile command line.

Matthias

I tried, it didn't compiled, because the default directory is not package directory.

I can try this to add and propose to Mirek. this is a minor change!

Subject: Re: Include option for specific package
Posted by [masu](#) on Wed, 10 Jun 2009 15:42:44 GMT
[View Forum Message](#) <> [Reply to Message](#)

It works for me, I just moved a header file in one of my projects to "C:\temp" and added Compiler option -Ic:/temp to the main package.
Then I changed references to the moved header to <xxx.h> (I used "xxx.h" before) and it is found and the project compiles.
You may also have to change your references to header file then.

Matthias

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Wed, 10 Jun 2009 15:55:15 GMT
[View Forum Message](#) <> [Reply to Message](#)

masu wrote on Wed, 10 June 2009 18:42 It works for me, I just moved a header file in one of my projects to "C:\temp" and added Compiler option -Ic:/temp to the main package. Then I changed references to the moved header to <xxx.h> (I used "xxx.h" before) and it is found and the project compiles.
You may also have to change your references to header file then.

Matthias

Ok, I think that I will be understanding in real example:

I have a package located in:
D:\Lupascu\sourcecode\cpp\upp\MyApps\xlslib\

I need add include libs for directories:
D:\Lupascu\sourcecode\cpp\upp\MyApps\xlslib\lib\src\oledoc\
D:\Lupascu\sourcecode\cpp\upp\MyApps\xlslib\lib\src\xlslib\
D:\Lupascu\sourcecode\cpp\upp\MyApps\xlslib\lib\src\common\
D:\Lupascu\sourcecode\cpp\upp\MyApps\xlslib\lib\src\data\

As you see this is located in sub folder of package. this package I can relocated and include libraries will located too.

I propose to add in Package organizer an option "Include option" that in option will be only:

```
//lib/src/oledoc  
//lib/src/xlslib  
//lib/src/common  
//lib/src/data
```

In compiling the package which have this include options or use an package which have this compiling option, U++ will set to compiler include option the full path of this 4 directories.

If I do not use this option U++ will not set this include options.

Like this situation I can add as example SDL packages.

Subject: Re: Include option for specific package
Posted by [masu](#) on Wed, 10 Jun 2009 16:16:56 GMT
[View Forum Message](#) <> [Reply to Message](#)

Why don't you do it like this?

You only need to specify a long path once for each include dir in your xls package.

Matthias

File Attachments

1) [MyApps.zip](#), downloaded 461 times

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Wed, 10 Jun 2009 17:00:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

Why?

Because the package I can relocated and include libraries will automatic located too (I mean the full path)

masu wrote on Wed, 10 June 2009 19:16Why don't you do it like this?

You only need to specify a long path once for each include dir in your xls package.

Matthias

Subject: Re: Include option for specific package
Posted by [masu](#) on Wed, 10 Jun 2009 17:58:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Why do you need the full path?

The paths you want to include are all relative to xls (or whatever your package name is), right?

You should be able to move the xls package into another assembly and add this package to your project, the include paths are automatically included within xls.h.

Matthias

Subject: Re: Include option for specific package
Posted by [jeremy_c](#) on Wed, 10 Jun 2009 18:35:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

I'm thinking, for instance, MySQL or PostgreSQL. They do not contain the PostgreSQL includes

nor libs. When I compiled it the first time, I had to go to Setup>Build methods and add PostgreSQL to my include path, the full path. I didn't know about the specific compiler options that I learned here.

However, I think a nice Include/Lib path setup like found in Setup>Build per package would be a nice addition. It's something many people have to do.

Subject: Re: Include option for specific package
Posted by [koldo](#) on Wed, 10 Jun 2009 21:58:08 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello all

I have included the directories in the Package Organizer using the -I option. It works for GCC/MinGW and MSC.

So for both compilers the program works well. For now perhaps it is enough but I think it is nicer to include the include directories as an explicit Package option...

... But I have a problem with MSC:

Both XlsLibs and \Microsoft SDKs\Windows\v6.1\Include have a file named reotypes.h

To avoid errors, XlsLib directories have to be before SDK directories. Unfortunately it seems Upp

- First reads Build Methods
- Second reads Package Organizer

So in this case:

- Or I have to do dirty things: renaming reotypes.h in SDKs
- Or I have to put XlsLib include directories in Build Methods, and before \Microsoft SDKs\Windows\v6.1\Include

Best regards
Koldo

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Thu, 11 Jun 2009 05:45:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

koldo wrote on Thu, 11 June 2009 00:58Hello all

I have included the directories in the Package Organizer using the -I option. It works for GCC/MinGW and MSC.

So for both compilers the program works well. For now perhaps it is enough but I think it is nicer to include the include directories as an explicit Package option...

... But I have a problem with MSC:

Both XlsLibs and \Microsoft SDKs\Windows\v6.1\Include have a file named rectypes.h

To avoid errors, XlsLib directories have to be before SDK directories. Unfortunately it seems Upp

- First reads Build Methods
- Second reads Package Organizer

So in this case:

- Or I have to do dirty things: renaming rectypes.h in SDKs
- Or I have to put XlsLib include directories in Build Methods, and before \Microsoft SDKs\Windows\v6.1\Include

Best regards

Koldo

Very interesting detail.

To avoid this situation should be add first package include and after then standard builds.

This situation is another motivation to add this include option.

Ion Lupascu (tojocky)

Subject: Re: Include option for specific package

Posted by [masu](#) on Thu, 11 Jun 2009 09:48:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

jeremy_c wrote on Wed, 10 June 2009 20:35 I'm thinking, for instance, MySQL or PostgreSQL. They do not contain the PostgreSQL includes nor libs. When I compiled it the first time, I had to go to Setup>Build methods and add PostgreSQL to my include path, the full path. I didn't know about the specific compiler options that I learned here.

However, I think a nice Include/Lib path setup like found in Setup>Build per package would be a nice addition. It's something many people have to do.

For MySQL and PostgreSQL you cannot include these definitions within the wrapper package, because they are installed Upp-external, i.e. they could be located elsewhere on different machines. That is why you must set the paths manually.

Matthias

Subject: Re: Include option for specific package

Posted by [jeremy_c](#) on Thu, 11 Jun 2009 10:18:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

Yes, I understand, but I could configure the include path on my local box for the PostgreSQL package, if the package based include dialog existed, is what I was thinking?

Jeremy

Subject: Re: Include option for specific package
Posted by [mirek](#) on Thu, 11 Jun 2009 17:13:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

jeremy_c wrote on Thu, 11 June 2009 06:18 Yes, I understand, but I could configure the include path on my local box for the PostgreSQL package, if the package based include dialog existed, is what I was thinking?

Jeremy

Packages are designed to be uncoupled from actual host (either platform or even development computer), that is why adding any paths to package definition is definitely not a good idea.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Thu, 11 Jun 2009 19:02:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Thu, 11 June 2009 20:13

Packages are designed to be uncoupled from actual host (either platform or even development computer), that is why adding any paths to package definition is definitely not a good idea.

Mirek

Hello Mirek!

But if is a wrapper package for a specific lib (example xslib) and this specific lib is ported in wrapper package (sub directory) I think that it is sense. This lib can be cross-os too and can be uncoupled from actual host. It is sense because it is not need to modify include preprocessors (correct from `#include <header.h>` to `#include "header.h"`).

Another method is to add an wizard to import package (files in project) with option correct include tags.

Best idea I think that need add both methods!

Subject: Re: Include option for specific package
Posted by [jeremy_c](#) on Thu, 11 Jun 2009 19:02:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Right, but I should add the include directory to postgresql in my global setup, so that it affects all projects? I figured that per install, per package I could set where my package of postgresql should be able to find it's libs/includes.

Jeremy

Subject: Re: Include option for specific package
Posted by [mirek](#) on Thu, 11 Jun 2009 20:48:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

jeremy_c wrote on Thu, 11 June 2009 15:02: Right, but I should add the include directory to postgresql in my global setup, so that it affects all projects?

Yes. It is least troublesome.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Sat, 13 Jun 2009 22:58:58 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Mirek,

I added the minimal changes for future: include options for specific package, I hope it is correct. Can you check my changes?

Dirrectory path is same as files <directory>{\<directory>}
Ex: lib\common

If is accepted I can add more wizard things(select directory path dialog, set full path or short path). Include order, I should add first UPP directory (GetVar("UPP")), after then include directories by package uses and after then add global include path.

The source code is written very clear and professional. Thank you to U++ authors and contributors! Of course, exist things that can be optimized (in my point of view)!

I was attached only changed files.

Any suggestions is welcome!

File Attachments

1) [upp_changes_svn_1298.7z](#), downloaded 442 times

Subject: Re: Include option for specific package

Posted by [tojocky](#) on Sun, 14 Jun 2009 07:08:58 GMT

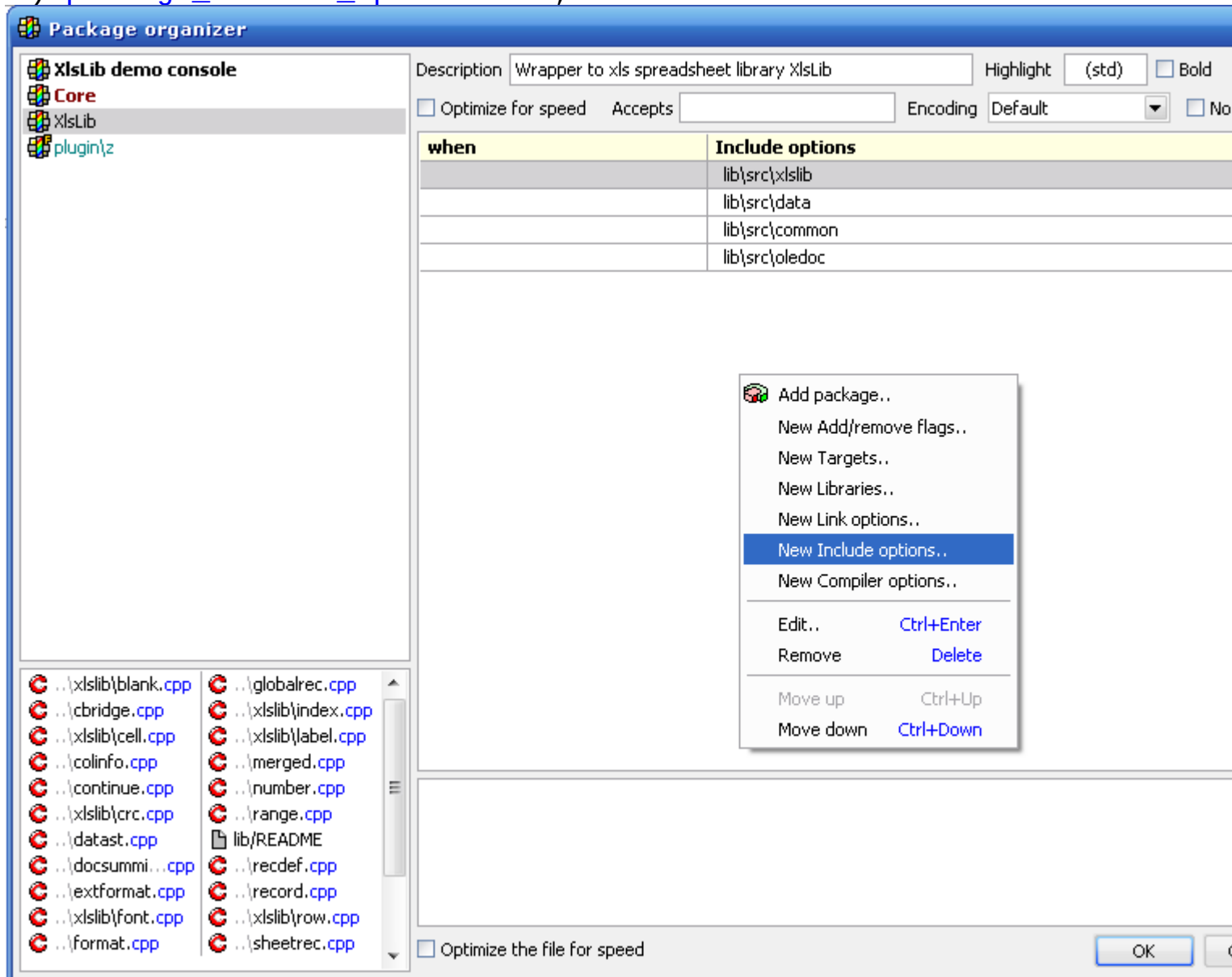
[View Forum Message](#) <> [Reply to Message](#)

I have not possibility to add in a message to files for show an screenshot example:

Here I tested xlslib example added by Koldo in U++.

File Attachments

1) [package_include_options.PNG](#), downloaded 1508 times



Subject: Re: Include option for specific package
Posted by [mirek](#) on Mon, 15 Jun 2009 07:15:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

Well, to make things sure...

Is all this about

`#include <header.h>`

in existing code? (instead of `#include "header.h"` or something like that).

I am not quite sure about it either. In ANY CASE, it should NOT accept absolute paths, or at least, warn about them.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Mon, 15 Jun 2009 07:56:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Mon, 15 June 2009 10:15Well, to make things sure...

Is all this about

`#include <header.h>`

in existing code? (instead of `#include "header.h"` or something like that).

I am not quite sure about it either. In ANY CASE, it should NOT accept absolute paths, or at least, warn about them.

Mirek

I agree with you about warn when set full path in include option by package.

Another question is where need to add include option by package by order?

After `GetVar("UPP")`?

can I add it in svn with all changes requested?

Subject: Re: Include option for specific package
Posted by [mirek](#) on Sun, 21 Jun 2009 17:22:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

I have added "Add to include path" file option that hopefully solves this problem.

IMO, it is less faulty than adding include paths for package and, in the end, maybe even slightly easier to use.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 23 Jun 2009 08:14:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Sun, 21 June 2009 20:22I have added "Add to include path" file option that hopefully solves this problem.

IMO, it is less faulty than adding include paths for package and, in the end, maybe even slightly easier to use.

Mirek

For me, I spent minim 1hour to understand how it works. It is not so simple to understand, I thing that you have little complicated realization. I do not know how the new u++ developers will acomodate with this.

May be I'm single so slowly.

I would like to know other opinions!

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 09:38:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ehm, the only thing to understand is that if you active "Add to include path" for file, then the file can be found using include path. Is that so hard?

Subject: Re: Include option for specific package
Posted by [koldo](#) on Tue, 23 Jun 2009 10:15:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello luzr

Sorry, I do not understand

For example in case xslib:

- We have these files to compile

lib/src/xlslib\blank.cpp,
lib/src/xlslib\cbridge.cpp,
lib/src/xlslib\cell.cpp,
... total 30 files ...

- These files have includes located in here:

lib/src/common,
lib/src/data,
lib/src/oledoc,
lib/src/xlslib;

(you can see that all the paths are under package directory)

- And the compiler has to use these directories before the included in Setup/Build Methods

How would it have to be done with the new "Add to include path" option ?

Best regards
Koldo

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 10:30:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

Add any include file you want to include, or take .cpp file in the same dir (in many cases, you will want to have it in package anyway), use "Add to include path" for this include.

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 23 Jun 2009 11:18:29 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Tue, 23 June 2009 13:30Add any include file you want to include, or take .cpp file in the same dir (in many cases, you will want to have it in package anyway), use "Add to include path" for this include.

I thing that this realization is not transparent, especially for new u++ developers.

Is more simple to add maximum 4 directories of include path that find in tens or hundreds source (*.cpp, *.h) files if exist "include path by package".

Maybe we need to vote what is good and what is bad between our realizations. If is any new proposes, it is very good.

Subject: Re: Include option for specific package
Posted by [Sender Ghost](#) on Tue, 23 Jun 2009 12:36:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

tojocky wrote on Wed, 10 June 2009 10:39Hello All,

I didn't find if exist a method for set include option for specific package.

I thing that it is a possibility to add "compiler option" in package organizer, but if exists more explicit method which i do not know, please tell me.

Hello, Ion.

I think, you can achieve this by using new Assembly. Just add necessary include directories to Package nest.

For example, we have MyApp assembly:

Package nest: C:\MyApps;C:\upp\uppsrc

Output directory: C:\upp\out

Assembly name: MyApp

In building process TheIDE will add directories from Package nest to include search path ("-I") before directories configured in Build methods for specific compiler. Example for MSC9:

```
"C:\Program Files\Microsoft Visual Studio 9.0\VC\Bin\cl.exe" -nologo -W3 -GR -c \  
-I"C:\MyApps" -I"C:\upp\uppsrc" \  
-I"C:\Program Files\Microsoft Visual Studio 9.0\VC\Include" \  
-I"C:\Program Files\Microsoft SDKs\Windows\v6.1\Include"
```

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 23 Jun 2009 13:39:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sender Ghost wrote on Tue, 23 June 2009 15:36

Hello, Ion.

I think, you can achieve this by using new Assembly. Just add necessary include directories to Package nest.

For example, we have MyApp assembly:

Package nest: C:\MyApps;C:\upp\uppsrc

Output directory: C:\upp\out

Assembly name: MyApp

In building process TheIDE will add directories from Package nest to include search path ("-I") before directories configured in Build methods for specific compiler. Example for MSC9:

```
"C:\Program Files\Microsoft Visual Studio 9.0\VC\Bin\cl.exe" -nologo -W3 -GR -c \  
-I"C:\MyApps" -I"C:\upp\uppsrc" \  
-I"C:\Program Files\Microsoft Visual Studio 9.0\VC\Include" \  
-I"C:\Program Files\Microsoft SDKs\Windows\v6.1\Include"
```

The goal is to optimize include option!

I have MyApp directory, that contains more packages.
Only few packages use specific include (actual is only xslib).

Subject: Re: Include option for specific package
Posted by [koldo](#) on Tue, 23 Jun 2009 14:30:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Mirek

I have tried to compile xslib with the available options but I do not know how.

This library has a tree of 42 include files called between them and from 32 .cpp files, that I am not able to compile in a simple portable way.

I think that the Ion proposal included below is the simpler from an user point of view using, as Ion does, relative paths like "lib/src/common".

However I have total confidence in your final decision that I will accept without further discussion.

Best regards
Koldo

tojocky wrote on Sun, 14 June 2009 09:08 I have not possibility to add in a message to files for show an screenshot example:

Here I tested xslib example added by Koldo in U++.

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 15:09:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 15:10:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

tojocky wrote on Tue, 23 June 2009 07:18luzr wrote on Tue, 23 June 2009 13:30Add any include file you want to include, or take .cpp file in the same dir (in many cases, you will want to have it in package anyway), use "Add to include path" for this include.

I thing that this realization is not transparent, especially for new u++ developers.

Is more simple to add maximum 4 directories of include path that find in tens or hundreds source (*.cpp, *h) files if exist "include path by package".

That one is simple. It is reflected in file's icon...

Mirek

Subject: Re: Include option for specific package
Posted by [Sender Ghost](#) on Tue, 23 Jun 2009 15:25:11 GMT
[View Forum Message](#) <> [Reply to Message](#)

In my current opinion, you just want to use unsuitable tool.
Packages are independent from absolute paths, therefore they are portable.
If you saw U++ code organization you can understand how your code must be organized to accomplish U++ modules approach.
Assembly "knows" about absolute paths and where to find Packages (which is disguised form of include search path directories for compiler). So, changes for paths should be on Assembly level.
I suggest you to use new Assembly, e.g. XlsLibApps with following options:

Package nest: C:\XlsLibApps;C:\XlsLibApps\lib\src\oledoc; \
C:\XlsLibApps\lib\src\xlslib;C:\XlsLibApps\lib\src\common; \
C:\XlsLibApps\lib\src\data;C:\MyApps;C:\upp\uppsrc
Output directory: C:\upp\out
Assembly name: XlsLibApps

to Mirek:

You can improve selection of Package nest directories or just add new option (e.g. ArrayCtrl) for include search paths.

Edit:

Anyway, we all have suitable solutions for this problem. I just want to show another point of view.

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 18:06:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sender Ghost wrote on Tue, 23 June 2009 11:25In my current opinion, you just want to use unsuitable tool.

Packages are independent from absolute paths, therefore they are portable.

If you saw U++ code organization you can understand how your code must be organized to accomplish U++ modules approach.

Assembly "knows" about absolute paths and where to find Packages (which is disguised form of include search path directories for compiler). So, changes for paths should be on Assembly level. I suggest you to use new Assembly, e.g. XlsLibApps with following options:

```
Package nest: C:\XlsLibApps;C:\XlsLibApps\lib\src\oledoc; \  
C:\XlsLibApps\lib\src\xlslib;C:\XlsLibApps\lib\src\common; \  
C:\XlsLibApps\lib\src\data;C:\MyApps;C:\uppl\uppsrc  
Output directory: C:\uppl\out  
Assembly name: XlsLibApps
```

to Mirek:

You can improve selection of Package nest directories or just add new option (e.g. ArrayCtrl) for include search paths.

Actually, the intended place for include path is build method...

Anyway, the problem we are trying to solve here is that when adapting existing code as U++ package (in this case, existing library capable of parsing XLS files), you have to solve the issue that sources can have its own directory structure, including special folders for .h.

Up to now, we usually fixed the issue by editing sources (`#include <foo/bar.h> -> #include "bar.h"`). Anyway, I have to agree that it can get long in teeth over time.

That is why I agree there is some problem to solve. But based on experience with "Add any file" to package, I would like to stay clean of any form hinting to the idea that the package is the place to define include path...

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 23 Jun 2009 19:15:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Tue, 23 June 2009 18:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

By "explicit include paths" you mean full path?

If Yes, I can add possibility to restrict to set full path for the include package include option.

Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 23 Jun 2009 21:26:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

tojocky wrote on Tue, 23 June 2009 15:15luzr wrote on Tue, 23 June 2009 18:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

By "explicit include paths" you mean full path?

Any path But package based path is more tolerable...

Mirek

Subject: Re: Include option for specific package
Posted by [koldo](#) on Tue, 23 Jun 2009 22:40:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

I think there have been misunderstandings

luzr wrote on Tue, 23 June 2009 23:26tojocky wrote on Tue, 23 June 2009 15:15luzr wrote on Tue, 23 June 2009 18:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

By "explicit include paths" you mean full path?

Any path But package based path is more tolerable...

Mirek

Have I heard that before ?

Quote:I think that the Ion proposal included below is the simpler from an user point of view using, as Ion does, relative paths like "lib/src/common".

... relative paths under package directory.

The thing I did not want to do was precisely this:

Quote:Up to now, we usually fixed the issue by editing sources (`#include <foo/bar.h> -> #include "bar.h"`).

... as I prefer not to modify library sources, but for "force majeure".

I think Ion and me agree from the beginning that for a wrapper, the library sources tree begins from package folder.

We only want to say the compiler how to look for `#includes` there.

Best regards
Koldo

Subject: Re: Include option for specific package
Posted by [mr_ped](#) on Wed, 24 Jun 2009 08:09:40 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Tue, 23 June 2009 17:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

+1
That would make packages hard to relocate easily, like now.

Subject: Re: Include option for specific package
Posted by [koldo](#) on Wed, 24 Jun 2009 08:59:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello mr_ped

Nobody in this thread wants absolute paths

mr_ped wrote on Wed, 24 June 2009 10:09luzr wrote on Tue, 23 June 2009 17:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

+1

That would make packages hard to relocate easily, like now.

We only want paths relative to package folder and under it.

For example, this diagram:

Why this. For making wrappers to other libraries.

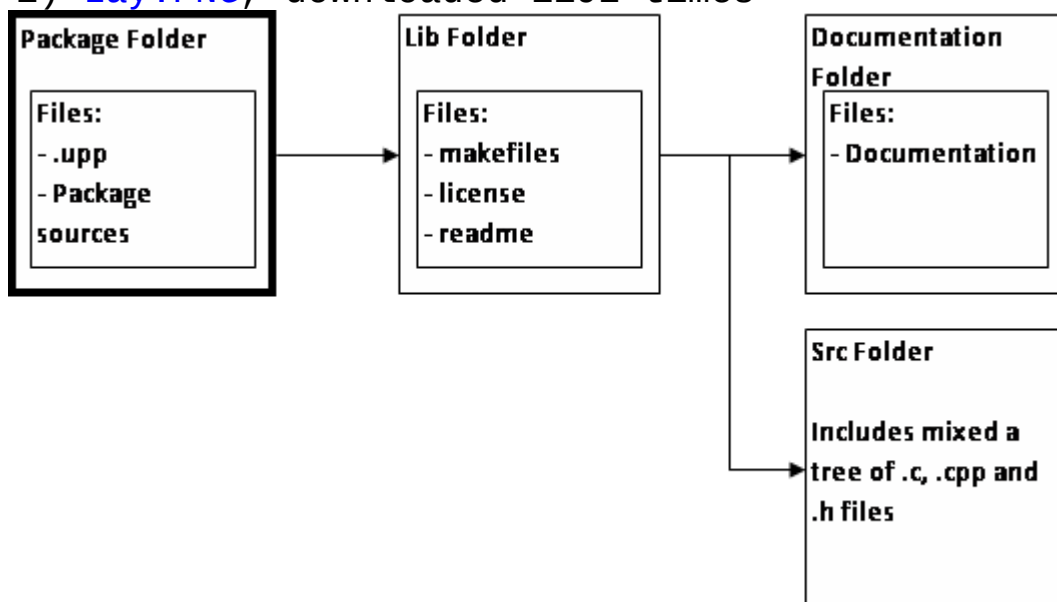
Situations:

1. Library directory structure is very simple: Nothing to do
2. Library directory structure is not very simple. Solutions:
 - 2.1 Change library source code. In my opinion this is ugly
 - 2.2 Put the library tree under Upp package and compile it setting include path structure under Upp package. This is something we like.

Best regards
Koldo

File Attachments

1) [Lay.PNG](#), downloaded 1192 times



Subject: Re: Include option for specific package
Posted by [tojocky](#) on Wed, 24 Jun 2009 11:28:21 GMT
[View Forum Message](#) <> [Reply to Message](#)

I agree with Koldo!

Maybe I proposed not finished variant. but we can restrict for do not permit to set absolute paths
koldo wrote on Wed, 24 June 2009 11:59Hello mr_ped

Nobody in this thread wants absolute paths

mr_ped wrote on Wed, 24 June 2009 10:09luzr wrote on Tue, 23 June 2009 17:09Well, I am sorry to be stubborn, I am just STRONGLY opposed to the idea that package should have any explicit include paths.

Mirek

+1

That would make packages hard to relocate easily, like now.

We only want paths relative to package folder and under it.

For example, this diagram:

Why this. For making wrappers to other libraries.

Situations:

1. Library directory structure is very simple: Nothing to do
2. Library directory structure is not very simple. Solutions:
 - 2.1 Change library source code. In my opinion this is ugly
 - 2.2 Put the library tree under Upp package and compile it seting include path structure under Upp package. This is something we like.

Best regards
Koldo

Subject: Re: Include option for specific package
Posted by [mirek](#) on Wed, 24 Jun 2009 17:38:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

Well, OK, sorry for the resistance.

I have tried, my proposal, although solving the problem, is rejected.

I will add tojocky's method ASAP.

The only thing to consider is some better name that would indicate that the whole issue is really only useful for incorporating 3rd party libraries....

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Thu, 25 Jun 2009 11:20:11 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thank you Mirek, Sorry us for the resistance too!
If you have not time for this, I can propose the final variant to restrict access for any path, and integrate FileSel to select folder.

With respect, Ion Lupascu (tojocky)

luzr wrote on Wed, 24 June 2009 20:38Well, OK, sorry for the resistance.

I have tried, my proposal, although solving the problem, is rejected.

I will add tojocky's method ASAP.

The only thing to consider is some better name that would indicate that the whole issue is really only useful for incorporating 3rd party libraries....

Mirek

Subject: Re: Include option for specific package
Posted by [mirek](#) on Sun, 28 Jun 2009 19:53:11 GMT
[View Forum Message](#) <> [Reply to Message](#)

Done.

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Mon, 29 Jun 2009 12:49:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Sun, 28 June 2009 22:53Done.

Hello Mirek,

Nice realization, but..... my realization it adds internal include package for current build package and for uses packages. In your realization add internal include package only fro current build package.

I want to discuss about this, how is correct. Your realization is good when I do a package which wrap a library.

In my case (XLSLIB) it is not work because I use direct link to library from other package!

OK, Question:

Is correct to add include package for uses packages too?

My opinion: it is necessary to add (by priority) include internal package for uses packages.

Subject: Re: Include option for specific package
Posted by [mirek](#) on Mon, 29 Jun 2009 17:41:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

You are right...

Mirek

Subject: Re: Include option for specific package
Posted by [mirek](#) on Mon, 29 Jun 2009 17:56:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Changed: All packages now using internal include paths.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 30 Jun 2009 14:42:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Mon, 29 June 2009 20:56 Changed: All packages now using internal include paths.

Mirek

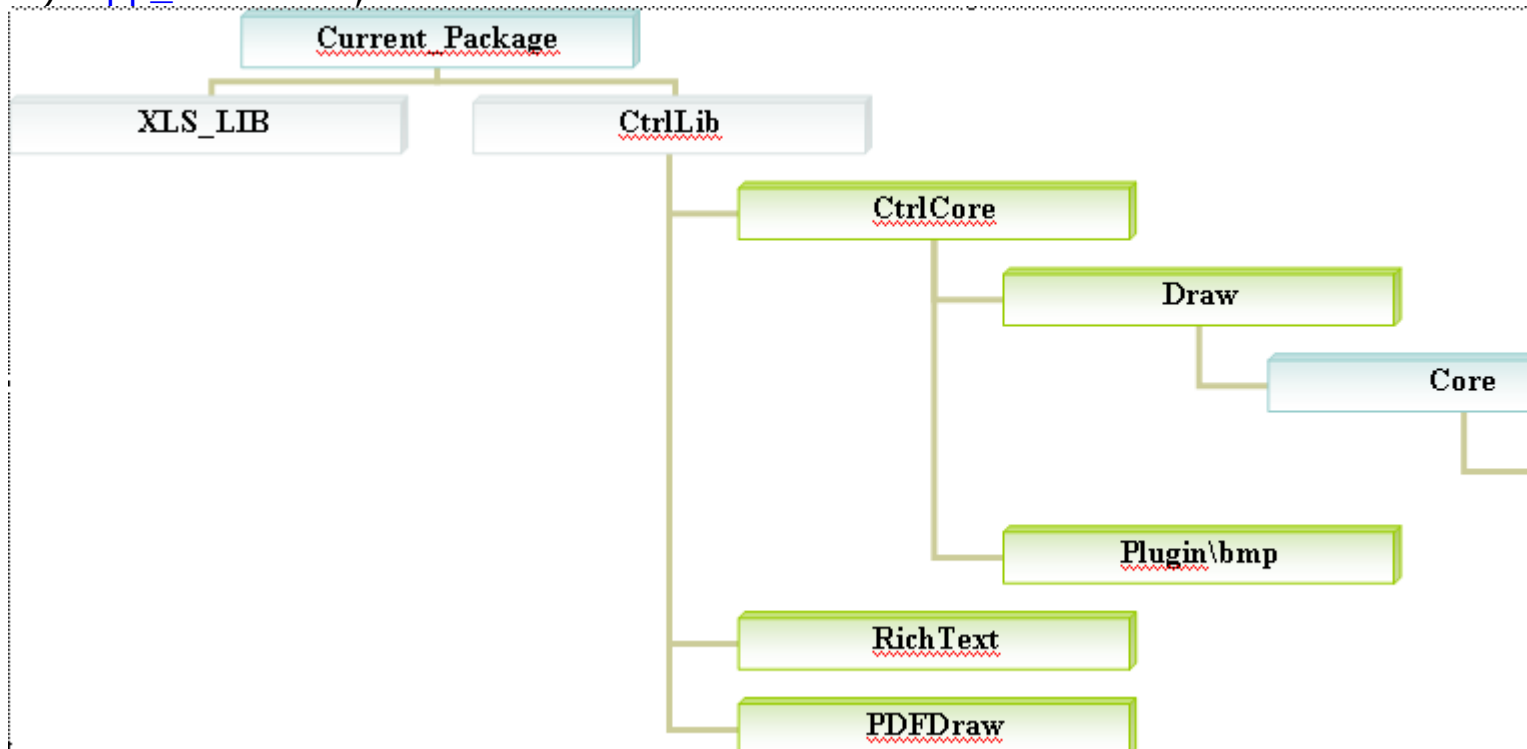
Hello Mirek!

It is better, but analyzing package structure, for example:

If only XLS Lib package have internal include then on building need add only for: XLS_LIB and Current_Package.
For other packages as CtrlLib, CtrlCore, and other is not need to add!

File Attachments

1) [upp_tree.PNG](#), downloaded 1074 times



Subject: Re: Include option for specific package
Posted by [mirek](#) on Tue, 30 Jun 2009 15:17:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

tojocky wrote on Tue, 30 June 2009 10:42luzr wrote on Mon, 29 June 2009 20:56Changed: All packages now using internal include paths.

Mirek

Hello Mirek!

It is better, but analyzing package structure, for example:

If only XLS Lib package have internal include then on building need add only for: XLS_LIB and Current_Package.
For other packages as CtrlLib, CtrlCore, and other is not need to add!

Can it do any real harm?

The only thing comes to mind is the same name of header.

Mirek

Subject: Re: Include option for specific package
Posted by [tojocky](#) on Tue, 30 Jun 2009 15:19:52 GMT
[View Forum Message](#) <> [Reply to Message](#)

luzr wrote on Tue, 30 June 2009 18:17

Can it do any real harm?

The only thing comes to mind is the same name of header.

Mirek

Yes, I thing too! May have situation when is same name of header!
