Subject: packages, sub packages and big projects
Posted by cocob on Tue, 16 Jun 2009 18:46:37 GMT
View Forum Message <> Reply to Message

Hello all,

I want to know how you manage very big package because i don't have found satisfactory solution with theide

First i tried to put all source files in the same package. No problem with this solution but from my side i think its difficult to organize a huge workspace with "separators". A tree-representation for the workspace would be a great solution. What do you think about it ?

In a second time i tried to split the package in sub-packages. No more problems to organize files in the workspace. I have a lot of entries in the package organizer (compiler options, flags, ...). All these configurations are common to all the big parent package and for the moment i must redefine all in all sub-package.
Would it be possible to have an inheritance of package organizer settings in sub-packages to solve this problem ?

Maybe, i have'nt understand how to use theide in an efficent way, or perhaps there is some new functionnalities to add.

Thanks for your answer.

cocob

Subject: Re: packages, sub packages and big projects
Posted by mr_ped on Wed, 17 Jun 2009 09:49:18 GMT
View Forum Message <> Reply to Message

There's the "FLAG" system in TheIDE builder.

See menu: Project / Main package configuration

There you can add as many possible configurations as you wish for the main package. (if you are building several version from the same source)

Press right click into list to add/edit/delete configuration, then into Flags you can add custom flags like for example:
"GUI MT MYFLAG .MYFLAG2" (eventually giving it custom name like "production")

in source code you can now use:
#ifdef flagMYFLAG
#ifndef flagMYFLAG2

The dot difference between MYFLAG and .MYFLAG2 does change the visibility of flag, MYFLAG

(g++ -D flagMYFLAG) will be set for all packages used by main package, the dot one .MYFLAG2 is set only during compilation of main package, other packages are compiled with "GUI MT MYFLAG" flags only.

Many project build settings can be then connected to certain flags, see Package organizer and "when" column. Check for example configuration of "Core" package to get some idea about possibilities.

--

I think you have also different kind of problem, like including in every package some library...
In some cases it may be better to set up those directly in Setup / Build methods, or maybe reorganize your sub-packages so those special options are not globally needed. (like "Draw" does hide all sort of X11/GTK/GDI and other packages don't have to deal with those, they build simply against "Draw")

So I'm not sure if I did help, I hope at least a bit..

Subject: Re: packages, sub packages and big projects
Posted by cocob on Wed, 17 Jun 2009 10:33:39 GMT

I know how works package organizer and main configuration and i like it.

My problems is when i have a lot of entries in it for example

library(!WIN32 && GCC && OPENMP) gomp;

options(MSC8 || MSC8X64) -D_CRT_SECURE_NO_DEPRECATE;

options(MSC9 || MSC9X64) -D_CRT_SECURE_NO_WARNINGS;

options(GCC) "-Wall -Werror";

options(MSC) /WX;

options(GCC && DLL) "-fvisibility=hidden -fPIC";

options(GCC && OPENMP) -fopenmp;

options(MSC && OPENMP) /openmp;

I must defined these on all subpackage and it is not really handy.

Do you have any solution ?

cocob

Subject: Re: packages, sub packages and big projects
Posted by mirek on Tue, 23 Jun 2009 18:08:31 GMT

View Forum Message <> Reply to Message

cocob wrote on Tue, 16 June 2009 14:46Hello all,

I want to know how you manage very big package because i don't have found satisfactory solution with theide

First i tried to put all source files in the same package. No problem with this solution but from my side i think its difficult to organize a huge workspace with "separators". A tree-representation for the workspace would be a great solution. What do you think about it ?

In a second time i tried to split the package in sub-packages. No more problems to organize files in the workspace. I have a lot of entries in the package organizer (compiler options, flags, ...).

Well, now this is sort of surprising. I have done quite some big projects in U++, but I do not remember having "a lot of" compiler options or flags there.

Can you put examples?

Mirek

Subject: Re: packages, sub packages and big projects
Posted by mirek on Tue, 23 Jun 2009 18:09:35 GMT

View Forum Message <> Reply to Message

cocob wrote on Wed, 17 June 2009 06:33I know how works package organizer and main configuration and i like it.

My problems is when i have a lot of entries in it for example

library(!WIN32 && GCC && OPENMP) gomp;

options(MSC8 || MSC8X64) -D_CRT_SECURE_NO_DEPRECATE;

options(MSC9 || MSC9X64) -D_CRT_SECURE_NO_WARNINGS;

options(GCC) "-Wall -Werror";

options(MSC) /WX;

options(GCC && DLL) "-fvisibility=hidden -fPIC";

options(GCC && OPENMP) -fopenmp;

options(MSC && OPENMP) /openmp;

I must defined these on all subpackage and it is not really handy.

Do you have any solution ?

cocob

Ahh, well, typically, I put these into Build method.

Mirek

Subject: Re: packages, sub packages and big projects
Posted by cocob on Wed, 24 Jun 2009 14:56:42 GMT

Ok, but build method is not saved with the project and each time i build in a new host i must edit it. And Ce cannot have conditionnal flags like this one in build method.

options(GCC && OPENMP) -fopenmp;

OPENMP is defined in my main configuration

cocob