Subject: Makefile generation ideas
Posted by ebojd on Fri, 06 Apr 2007 20:29:04 GMT
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I have a few minutes twiddling my thumbs as I recompile a bunch of source and thought I would start a discussion of possible upgrades to the Makefile generator... (ps I hope this is the appropriate place to post this).

There has been a number of discussion lately about future support of pkg-config, LSB compliance, and general fixes. A couple of these things I can help with patching the Makefile generator. Before I wast time on hacking, I thought I would start a discussion about the behavior people would like to see, and then what is reasonable to implement in the short term.

For starters, I would like to clean up the generated Makefile so that it can build and install upp/theide from within upp. I do not think that this is to far-fetched to accomplish. Most of the changes have already been discussed elsewhere. Here are a few for reference:

*) support listing libraries and C*FLAGS with pkg-config (directly or indirectly).

*) support defining and installing binaries, data, libraries in both system and user space (ex install theide in /usr/bin as root, and ~/bin as a normal user).

*) properly calculate the source file dependencies.

and a couple of enhancements that I find rather annoying...

*) upgrading u++ does not blow away various configuration information (such as user app runtime directory and arguments).

*) allow runtime directory and arguments to be set per application (very useful for automated unit and regression test suites).

So, if I implemented most of the above would it be integrated into u++?

What are some of the other issues people would like to see working?

Thank you for your consideration,

EBo --

Subject: Re: Makefile generation ideas
Posted by mirek on Sat, 07 Apr 2007 07:08:11 GMT
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ebojd wrote on Fri, 06 April 2007 16:29

So, if I implemented most of the above would it be integrated into u++?

Yes (if it works.... In the worst case, it can be an option (e.g. in Setup - "New makefile generation").

BTW, I understand that as gentoo user/u++ maintainer, you are the most interested in makefile issues, probably more than anybody else here

Mirek

Subject: Re: Makefile generation ideas
Posted by ebojd on Sat, 07 Apr 2007 23:55:32 GMT
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luzr wrote on Sat, 07 April 2007 02:08
BTW, I understand that as gentoo user/u++ maintainer, you are the most interested in makefile issues, probably more than anybody else here

EBo --
