Subject: Re: New packages announcement
Posted by piotr5 on Wed, 17 Jun 2009 15:57:01 GMT
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cbpporter wrote on Mon, 15 June 2009 14:29But one cannot choose his programming language. In the domain I work (industrial printers) there are only two choices: C and C++. I'm researching my language proposal to see if one can merge the ease of use of C++ RAII semantics for easy resource management with a classic non OOP based way of working like in C, but in the meantime making C extremely safe.

Ah, now I understand: you want to backport c++ features into c! you sound like the gnu-hurd project: they too have a problem with insufficient info about what a program wants to do. is that what you tried to say? do you want to give c-programmers a possibility for revealing more info on what they want to do with the ressources they got from the operating-system? especially your string-handling sounds like that: how large is it? is it constant size or will it grow? do you plan to read it, or do you only wish to make a copy? all this strong typing could be an improvement in c-programming -- even when it's merely implemented as a lib. in that case I would really like to help with the implementation of a compiler. this is also a feature I always missed. as you said, for string-handling the string-size is an important thing: if stringsize is large, then 0-terminating is a speed-up (as long as it's 4-8 bytes for 32bit respectively 8-16 bytes for 64bit filled with zeroes), with small strings it's a big hassle...

and don't get me wrong, I really do not believe you would be naive or something. I really just want to learn more about your project! and by the way, in my experience it is nonsense to present any design-paper without even trying to implement it first. during programming many issues will show up which could never have been noticed with a pure text description. you probably also know that, otherwise you wouldn't have mentioned that project.