
Subject: Re: Very first impressions and.... [FEATURE REQUESTS]

Posted by [mdelfede](#) on Wed, 26 Sep 2007 08:17:59 GMT

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luzr wrote on Wed, 26 September 2007 00:24

Ah, I see. You plan to store parse context for all lines.

Not exactly, I'd store the parse context for all definitions, quite less amount of data.

Quote:

OK, that would work to some degree... Would be pretty unreliable for fast typers, but yes, not entirely insane.

Well, if you find a programmer that is so fast typing to overcome the speed of a well done background parser, please send him to me, I've got some job for him

Quote:

Just for the record, current (and future) parser does not work this way. In fact, a pretty bad trick is used - the file is "ended" at the position of cursor and parser fails on "unexpected end of file" error, which is in fact expect behaviour. Then the context is simply read from the parser. As simple as that:)

I understand this, but then you MUST do it in real time.

From my point of view, all you need is a data structure storing the function-classes-macro-ecc definitions along with line numbers where they're defined.

You keep 2 such structures, and swap them when the background task is done, and so forth. That's all. Then, all what you need to do in real time is to do a fast lookup in that data structure to find what you're typing. Quite simple and quick job, if data structure is well indexed.... much faster than to call the parser for each keypress and wait for him to complete the job.

BTW, the 'speed feeling' of users would be higher of an order of magnitude than full real-time approaches.

Well, again I've got no time to make some experiments with this idea... pity, because I find it promising.

Ciao

Max

p.s. The ctrl+ doesn't work for me.... do I miss something ?