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

Posted by [mdelfede](#) on Wed, 12 Sep 2007 18:59:08 GMT

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luzr wrote on Wed, 12 September 2007 18:40

What file do you want to parse? Buffered file from preprocessor? Actual file you are working on?

buffered file from preprocessor kept in sync with the file I'm workin on.... This is the hardest (and fastest) way. But there's a simpler way :

I've not looked at your parser code, but I guess it does a first scan on file when ide opens, and then it keeps scanning only the changes you make to file, am I wrong ?

So, at ide opening you add the preprocessor pass before the full scan pass. Then, when you work on file, there are 2 possibilities :

1- you make changes not related to # preprocessing directives, so your code work as usual.

2- you make changes that involves preprocessing directives. So you start a cpp preprocess in background, then a full scan in background too. While this (long) process is not finished, you keep working as usual on previous buffered file; when preprocess-scan thread finishes, you switch to the new buffer.

Quote:

The preprocessor is the simple part... The hard part is caching logic.

Of course, but that is already done. It should only a matter of keeping a second buffer (aka symbol table in memory) and switch to it when the long job is done. It should be not too difficult to insert in current code. I'd say that the hard part is the scanner, but this one seems to me very well done yet.

Ciao

Max