Subject: in code comments - doxygen
Posted by qwerty on Tue, 21 Nov 2006 11:24:10 GMT
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just thought :

using some specificaly syntax offered by upp ide or in comment syntax(aka visual studio 2005 xml comments)

...

to generate documentation from your code or from upp under specifical circumstances

maybee in future

Subject: Re: in code comments - doxygen
Posted by fallingdutch on Tue, 21 Nov 2006 17:58:15 GMT
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i would like that, too

Bas

Subject: Re: in code comments - doxygen
Posted by mirek on Tue, 21 Nov 2006 20:14:19 GMT
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My idea is to document in parallel using Topic++ and our C++ parser. Similar to doxygen to a degree, but comments are not in the code. This already works pretty well...

In the (near) future, this should be integrated with new class browser - e.g. Assist++ could show help for methods in selection.

Mirek

Subject: Re: in code comments - doxygen
Posted by Balage on Mon, 18 Dec 2006 18:23:41 GMT
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In-code comments tend to be pretty helpful, also the reference generated from it. doxygen is exceptionally good at this.

Maybe consider using it in Upp base source?

As a side note, Assist++ is the very first code-completion feature I have seen in ALL IDEs so far, that really assists in development, and not hinders (I had to turn these things off in other IDEs)!

Assist++ is a GREAT help for me as a beginner, and I think, that by using doxy style docs, Assist++ could even display the /brief of the given function/class, while moving through the available selections. That would be a mighty fine thing! I haven't seen this anywhere yet!

Subject: Re: in code comments - doxygen
Posted by mirek on Mon, 18 Dec 2006 18:49:19 GMT
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Balage wrote on Mon, 18 December 2006 13:23
Assist++ is a GREAT help for me as a beginner, and I think, that by using doxy style docs, Assist++ could even display the /brief of the given function/class, while moving through the available selections. That would be a mighty fine thing! I haven't seen this anywhere yet!

Well, that is what I mean by better Assist++ / Topic++ integration.

BTW, first signs of this comming are already there: if you perform a Query (to get results in lower paint), right click on the results also lists Topic++ themes related to the item.

Mirek

Subject: Re: in code comments - doxygen
Posted by Balage on Mon, 18 Dec 2006 19:09:23 GMT
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Another thing, is that lots of other libs are using doxygen style commenting. So showing those comments in Assist would be nice. How about that?

Subject: Re: in code comments - doxygen
Posted by mirek on Mon, 18 Dec 2006 21:26:56 GMT
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Interesting idea

Mirek

Subject: Re: in code comments - doxygen
Posted by mr_ped on Thu, 01 Feb 2007 17:27:30 GMT
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I've been using Doxygen for my own projects, and once you work with it since the very start, it does produce at least average documentation. In case you really pay time and attention, there's no problem to get on good level. (In my eyes most of SW documentations out there are either utter bad, bad or average, so suggesting "good" level is something like admiration)
While Topic++ allows for excellent documentation if enough time and attention is used, I sort of dislike splitting the documentation from the actual code itself.

For high level documentation of course there's no real code, and it starts to be cumbersome to hold this one directly in sources (for Doxygen), and trying out really high abstraction docs was too complex for me. (while I believe that exactly the area where Topic++ can shine)

But when we get back down to commenting the code on low level, I think Doxygen is pretty much ultimate tool.

Subject: Re: in code comments - doxygen
Posted by mirek on Mon, 05 Feb 2007 21:57:59 GMT
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mr_ped wrote on Thu, 01 February 2007 12:27
While Topic++ allows for excellent documentation if enough time and attention is used, I sort of dislike splitting the documentation from the actual code itself.

Well, at least it is in the subdirectory....

Quote:
For high level documentation of course there's no real code, and it starts to be cumbersome to hold this one directly in sources (for Doxygen), and trying out really high abstraction docs was too complex for me. (while I believe that exactly the area where Topic++ can shine)

But when we get back down to commenting the code on low level, I think Doxygen is pretty much ultimate tool.

Yes, Doxygen style is seducing and works well for many cases. At the same time, Topic++ is not where I want it to be yet. I would like to postpone the final judgement until we have new class browser with Topic++ integration.

Mirek

Subject: Re: in code comments - doxygen
Posted by mr_ped on Tue, 06 Feb 2007 09:11:05 GMT
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luzr wrote on Mon, 05 February 2007 22:57 I would like to postpone the final judgement until we have new class browser with Topic++ integration.

IMHO it's not as much about what Topic++ *can* do.

It's simply the docs stored not in code, what is main problem.
So whenever you change code, you must run Topic++ to change the help, which will never (ok, with absolutely disciplined programmers it will work superb, but we live in real world) work as good as doxygen's comments which reside inside of the code itself.
Still any lazy programmer will break even doxygen documentation, but the the some-what lazy programmer (who's too lazy to launch Topic++ but not enough lazy to not change comment) will produce better results with doxygen-like approach.

So the Topic++ will be always 1 step behind doxygen on the low level documentation, unless you merge the best of both worlds i.e. add features into Topic++ which will analyze the code itself and extract the low level documentation directly from code and comments just like doxygen does.

Subject: Re: in code comments - doxygen
Posted by mirek on Tue, 06 Feb 2007 09:27:41 GMT
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mr_ped wrote on Tue, 06 February 2007 04:11luzr wrote on Mon, 05 February 2007 22:57 I would like to postpone the final judgement until we have new class browser with Topic++ integration.

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Well, these arguments are considered and valid.

On the other side of equation there is comfort of Topic++ editor... I can have advanced WYSIWYG formatting, spell checking, pictures...

Mirek

Subject: Re: in code comments - doxygen
Posted by mr_ped on Tue, 06 Feb 2007 10:32:35 GMT
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A bit off-topic: what about spell check inside IDE?
TortoiseSVN does have it when you are adding comment during commit for example, and I found it quite useful. (not even mentioning Firefox 2.0 right now correcting my mistake with "usefull")

Of course it would require some level of intelligence to understand C/C++ syntax well.

Having system strong enough for example to find DrawPxiel() (but accept DrawPixel()) would be IMHO considerably handy.

Surely not a high priority. but something to put on the consider-list for future years?

Subject: Re: in code comments - doxygen
Posted by darrs on Tue, 06 Feb 2007 19:29:57 GMT
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Another suggestion.

In the editor you could put a little "Topic++" button in the margin next to global declarations / definitions (I'm assuming Assist++ knows how to recognize these). Clicking that would pop-up a small UWord window to document that function / variable (etc). Hovering over the button could show a pop-up tool-tip with that documentation.

Notes:

a) TheIDE would automatically add a copy of the appropriate function/variable declaration to the start of the documentation.

b) The documentation would be added to the standard Topic++ page for that class / module. Viewing the class via normal Topic++ would show all the combined documentation.

c) Editing the documentation via the margin button would only show the documentation for that declaration / definition. A button in the pop up window would close the pop-up window, start normal Topic++ editor and jump to that declaration in the relevant file.

Cheers,
Darrin.

Subject: Re: in code comments - doxygen
Posted by mirek on Tue, 06 Feb 2007 22:26:30 GMT
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darrs wrote on Tue, 06 February 2007 14:29Another suggestion.

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Exactly. That is what I mean by "let us finish the idea first"

Mirek

Subject: Re: in code comments - doxygen
Posted by fudadmin on Sat, 23 Jun 2007 01:20:32 GMT
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For some time I have been dreaming:
Developers enter comments directly into the code.
Users ask questions directly in the code.
CodeEditor or Assist moves those comments into topic but still "keeps the track" and displays them the same way as #ifdef markers and ... all this connected to the forums-wiki hybrid
Or this is too much?

Subject: Re: in code comments - doxygen
Posted by waxblood on Sat, 23 Jun 2007 05:12:22 GMT
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fudadmin wrote on Sat, 23 June 2007 03:20For some time I have been dreaming:
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Users ask questions directly in the code.
CodeEditor or Assist moves those comments into topic but still "keeps the track" and displays them the same way as #ifdef markers and ... all this connected to the forums-wiki hybrid
Or this is too much?

When you see software produtcs ads you always notice the word "integration" well exposed in bold characters.

Well, this is integration!

David

Subject: Re: in code comments - doxygen
Posted by captainc on Mon, 04 Aug 2008 13:49:19 GMT
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mr_ped wrote on Tue, 06 February 2007 04:11
So the Topic++ will be always 1 step behind doxygen on the low level documentation, unless you merge the best of both worlds i.e. add features into Topic++ which will analyze the code itself and extract the low level documentation directly from code and comments just like doxygen does.
I know this is an older forum post, but I have come to desire functionality in Topic++ that would automatically bring in doxygen/javadoc style comments from header files along with method/class declarations. Would it be difficult to implement/test out this idea? I find it very easy to update in-code documentation. It is more convenient than external documentation because the code is still fresh in mind and documentation right there. Presenting only a subset of documentation for API purposes through Topic++ would be ideal.

Subject: Re: in code comments - doxygen
Posted by mirek on Mon, 04 Aug 2008 15:05:08 GMT
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captainc wrote on Mon, 04 August 2008 09:49mr_ped wrote on Tue, 06 February 2007 04:11
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Once we have more solid parser, it should be quite possible.

Mirek