Subject: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by sergeynikitin on Sun, 13 Nov 2016 11:51:19 GMT

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Are there are any plans to make saving and reading U++ comments as DOXYGEN / JAVADOC standard?

Like this:

```
/**
 * @brief sum - Make sum
 * @param a - first operand
 * @param b - second operand
 * @return sum of a and b
 */
int sum (int a, int b) {
    return a + b;
}
```

It's may be automatically processed by DOXYGEN and produce result as analytic site with code + comments + dependencies.

http://www.stack.nl/~dimitri/doxygen/manual/docblocks.html

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by Klugier on Sun, 13 Nov 2016 16:10:59 GMT

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Hello,

I think u++ will never move for current approach called Topic++ to solution like doxygen/javadoc. For me current solution is much better, because you don't need to write this fancy comments in your code. I think for people outside U++ it can be treated as not standard, but it is powerfull tool - probably needs several improvements. Don't take me wrong - T++ has got production status.

I think doxygen can be easily integrated with TheIDE by simply using Esc for scripting. If something is not possible within Esc just export more by improving TheIDE esc integration. I am aware that it will not point to U++ classes, but for your project this integration should be possible. Such script can be easily distributed through bazzar.

Sincerely,
Klugier

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by sergeynikitin on Sun, 13 Nov 2016 22:42:46 GMT

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Klugier wrote on Sun, 13 November 2016 19:10Hello,
I think u++ will never move for current approach called Topic++ to solution like doxygen/javadoc.
For me current solution is much better, because you don't need to write this fancy comments in
your code. I think for people outside U++ it can be treated as not standard, but it is powerfull tool -
probably needs several improvements. Don't take me wrong - T++ has got production status.

Yes! But We create Makefile and others for export project. And our topic++ comments &
descriptions must be visible by editor outside from U++ environment.

This may become as stimulation for programmers comment out his code!

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by mirek on Fri, 18 Nov 2016 07:30:54 GMT

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sergeynikitin wrote on Sun, 13 November 2016 23:42Klugier wrote on Sun, 13 November 2016
19:10Hello,
I think u++ will never move for current approach called Topic++ to solution like doxygen/javadoc.
For me current solution is much better, because you don't need to write this fancy comments in
your code. I think for people outside U++ it can be treated as not standard, but it is powerfull tool -
probably needs several improvements. Don't take me wrong - T++ has got production status.

Yes! But We create Makefile and others for export project. And our topic++ comments &
descriptions must be visible by editor outside from U++ environment.

They are online, aren't they?

That said, I can imagine T++ -> doxygen export, but would have to be done by "Documentation at
other places" (http://www.stack.nl/~dimitri/doxygen/manual/docblocks.html)

All that said, over years I have considered and rejected doxygen comments several times,
generally because:

* it would bloat header files - I rather like to see inline method list 'uninterrupted'

* with T++, I can have single description of multiple related methods easily, like:
http://www.ultimatepp.org/src$Core$CoWork$en-us.html.

* with T++, I have full power of richtext at hand - can add images, tables etc... easily

One disadvantage of T++ is that it would be hard to change formatting. E.g. parameter names in description will now have to stay red forever...

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by sergeynikitin on Fri, 18 Nov 2016 07:54:54 GMT
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Hello!.

Main feature is ability to automatically generate html-portal of documented sources with graphical show dependences (or calls, or use variables, or ...) like this http:// xerces.apache.org/xerces-c/apiDocs-3/classDefaultHandler.htm l It can show diagrams of links in UML class diagrams language.

Currently there are no tools graphical display of the relationships between modules and classes in U++.

This whole portal (the link) works using JS, and has full functionality even on the local computer.

To build simply run the command doxygen. This command will build a portal of that type, and LaTeX documentation and the man pages files (relevant only for Linux). (Full list of formats here.

In the project configuration we define which formats to generate.

Doxygen can also automatically analyze and library functions.

Some time ago I pointed out Doxygen for the analysis of the program sources of Theide. Its very useful.

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by mirek on Fri, 18 Nov 2016 08:48:38 GMT
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You know, it is not like I do not know what doxygen is...:)

So by all means, if you have time, T++ -> doxygen would be a nice addition. I guestimate it would take about 40 hours to develop.

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by sergeynikitin on Thu, 24 Nov 2016 00:52:25 GMT

Can you say where can I see current format of T++ documentation (best place)?
I'll try to write this addition December or after NY.

Subject: Re: Are there any plans to convert U++ comments to format as DOXYGEN / JAVADOC?
Posted by mirek on Thu, 24 Nov 2016 12:40:30 GMT

I would say you can take most from T++ topics itself (it is really simple).

In the code, you can start with void AssistEditor::SyncAnnotationPopup.

Mirek