Well, after some effort, I got astyle code reformatter bound to Theide.
Here a screenshot of the setup dialog:

On next post, the changed files and some technical details.

Ciao

Max

File Attachments

1) astyle.png, downloaded 988 times

File　Edit　Project　Build　Debug　Assist　Setup

GUI　　GCC Debug

GatoFax　　Core
CtrlLib　　plugin\z
plugin/tif　　plugin\png
CtrlCore　　plugin\jpg
RichText　　<prj-aux>
PdfDraw　　<ide-aux>
Draw　　<temp-aux>
plugin/bmp

tif.h

```
#ifndef _plugin_tif_tif_h_
#define _plugin_tif_tif_h_

#include <Draw/Draw.h>
```

tif.h
tifupp.cpp
tifreg.icpp
▷ lib
lib\Copyright
lib\jerror.h
../jpeg.pat...
../jpeg.pat...
lib\jpeglib.h
lib\libtiff.def
../Make...am
../Makefile.in
../Makef...lcc
../Makefi...vc
../ojpeg.pa...
lib\Readme
../Release-...
lib\t4.h
lib\tif_aux.c
lib\tif_close.c
../tif_codec.c
lib\tif_color.c
../tif_com...c
../tif_confi...h
../tif_conf...in
../tif_con...vc
lib\tif_dir.c
lib\tif_dir.h
../tif_dirinf...c
../tif_dirre...c
../tif_dirwr...c
../tif_dum...c
lib\tif_error.c
../tif_exte...c
lib\tif_fax3.c

lib\tif_fax3.h
../tif_fax3...c
lib\tif_flush.c
../tif_geti...c
lib\tif_jpeg.c
lib\tif_luv.c
lib\tif_lzw.c
lib\tif_next.c
../tif_ojpeg.c
lib\tif_open.c
../tif_pack...c
../tif_pixar...c
../tif_predi...c
../tif_pred...h
lib\tif_print.c
lib\tif_read.c
lib\tif_strip.c
lib\tif_swab.c
../tif_thun...c
lib\tif_tile.c
../tif_versi...c
../tif_warn...c
lib\tif_write.c
lib\tif_zip.c
lib\tiff.h
lib\tiffcomp.h
lib\tiffconf.h
../tiffconf....in
../tiffconf...vc
lib\tiffio.h
lib\tiffio.hxx
lib\tiffiop.h
lib\tiffvers.h
lib\uvcode.h
lib\Version

Format setup

Fonts　　Syntax highlighting　　Editor　　IDE　　Code formatting

Indents
☐ Brackets　　☑ Namespaces
☐ Blocks　　☑ Case
☑ Class　　☑ Labels
☑ Switch　　☐ Preprocessor

Multiline statement indent

Min [2]　　Max [20]

Breaks
☑ Closing header brackets
☑ Else if statements
☑ Single line blocks
☑ Multiple statements
☑ Unrelated blocks
☑ Closing header blocks

Bracket format　　[break ▼]

Parenthesis padding　　[pad both parenthesis sides with spaces ▼]

☑ Remove spaces around parenthesis

☑ Pad operators with spaces

☐ Fill empty lines

☐ Convert tabs to spaces　　[Test]

Test box
```
#include <
#ifndef __
#include <
#endif

void test(
{
    /* this
    switch(a

    {
    case 1
        b = 
        brea
    case 2
        b = 
        brea
    defaul
        break;
```

```
public:
    TIFEncoder(int bpp = 24);
    ~TIFEncoder();

    TIFEncoder&  Bpp(int b)        { bpp = b; return *this; }

    virtual int  GetPaletteCount();
    virtual void Start(Size sz);
    virtual void WriteLineRaw(const byte *s);
```

Applicazioni　Risorse　Sistema　　　GCC.Blitz.For...　Ultimate++ f...　GatoFax -

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Sun, 27 Jan 2008 15:15:00 GMT
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Here the patched/added files to get astyle working in TheIDE.
Patches consist of :

1 - Added modified astyle code. Changes are related to :

- use Upp:: containers/types instead of std:: ones
- fixed some memory leaks
- ported sources to unicode (using Upp::WString instead std::string)

2 - Additions to ide menu, dialog, keys and serialization, so astyle settings are saved with the Ide
configuration.

To use, just get the 2401 UVS2 release (corresponding to latest 104 SVN release) and unpack
the file here in uppsrc folder, overwriting files when needed.

Enjoy!

Ciao

Max

p.s. : I forgot to mention, code reformatting command is in edit menu; it reformats current editor
window.
No support to reformat selections as IMHO it makes few sense...
Undo is supported, so don't worry about testing !

Ciao

Max

File Attachments
1) uppsrc_astyle.zip, downloaded 434 times

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Mon, 28 Jan 2008 18:46:38 GMT
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It works unchanged also on today SVN Release 105, corresponding to latest UVS2 2402 Release.

Ciao

Max

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Tue, 29 Jan 2008 22:42:02 GMT
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It works unchanged also on today SVN Release 106, corresponding to latest UVS2 2407 Release.

Ciao

Max

Subject: Re: Code reformatter added to TheIDE
Posted by zsolt on Wed, 30 Jan 2008 10:04:42 GMT
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seems to be promising. My only problem is license of astyle. It's LGPL, so it should be compiled as a dll or so.

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Wed, 30 Jan 2008 10:24:58 GMT
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zsolt wrote on Wed, 30 January 2008 11:04seems to be promising. My only problem is license of astyle. It's LGPL, so it should be compiled as a dll or so.

Well, that's not for sure.... In LGPL license is stated that :

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

We're modifying the source code and publishing it on terms of LGPL, we're distributing a work containing portions of the library with a license that allow access to source code of the derivative product, so I think that Theide falls in such a case.... But we'd need a lawer to be sure about that

BTW, it would be no problem to make a shared library of astyle, but imo it makes few sense.

Ciao

Max

Subject: Re: Code reformatter added to TheIDE
Posted by mirek on Wed, 30 Jan 2008 11:51:59 GMT
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IMO, license is not a problem. We are redistributing all the code with it. And it is not needed for U++ applications, only for TheIDE.

BTW, even worse issue there is ndisasm, which is GPL.

Speaking about it, I am more worried about the coding style. Astyle code is exactly what U++ approach tries to argue with

Mirek

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Wed, 30 Jan 2008 12:13:50 GMT
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luzr wrote on Wed, 30 January 2008 12:51

Speaking about it, I am more worried about the coding style. Astyle code is exactly what U++ approach tries to argue with

Well, I'd agree with you if astyle would be made as a part of Upp, but it's only an helper for theide, not upp
IMHO loosing a week or two to make something like astyle from scrath would not be a valuable choice.
Besides of that, astyle patched to use upp containers doesn't look awful, even if it uses pointers to manage stuffs quite a bit.
I had to change just 5(or 6 ?) container variables to use the DeepCopy option, among the lot more used there, so it's not so bad.
(BTW, nice stuff the 'pick semantics broken' error, it saved me a lot of debugging).
Just think as astyle like a black box that does (well, indeed) it's job.
Speaking about coding style, jpeg, tif and so C plugins are not the most elegant pieces of code ever seen !

IMHO, reinventing the wheel makes sense if with that wheel you travel for many km at high speed. Having a ferrari to go shopping at the supermarket near home is not whorth the money !

Ciao

Max

Subject: Re: Code reformatter added to TheIDE
Posted by mirek on Fri, 08 Feb 2008 11:08:26 GMT
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Well, I have added it...

Anyway, after a while of experimenting, it feels hardly usable... E.g. I was completely unsuccesful trying to use it to format anything in a way I am used to (and most U++ sources are formatted).

Actually, the only effect I have noticed is that it inserted a line after each source line

Also, I think, if such set of flags is possible (I mean, U++ 'default' style), it should be preset...

Mirek

Subject: Re: Code reformatter added to TheIDE
Posted by mdelfede on Fri, 08 Feb 2008 20:53:06 GMT
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luzr wrote on Fri, 08 February 2008 12:08Well, I have added it...

Anyway, after a while of experimenting, it feels hardly usable... E.g. I was completely unsuccesful trying to use it to format anything in a way I am used to (and most U++ sources are formatted).

Actually, the only effect I have noticed is that it inserted a line after each source line

Also, I think, if such set of flags is possible (I mean, U++ 'default' style), it should be preset...

Mirek

Hmmmm... I hope that one was before our chat in ICQ
BTW, besides XP problems (I hope you found why it behaves so in XP and good on Linux...), I think that "default U++ style" can easily be added with a button more. Better, I guess it would not be a bad idea to add some 'defaults', like K&R, Linux, Upp, My ( ) and maybe the ability to store user settings by name.

Ciao

Max