Subject: some non-english characters don't display
Posted by hojtsy on Thu, 09 Feb 2006 13:44:34 GMT
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I can't seem to be able to write some of the characters of the hungarian language into the code editor. The problematic chars are:

When I press the specific key, the char simply does not get inserted. Other applications, including text editors can accept these chars.

Subject: Re: some non-english characters don't display
Posted by riri on Thu, 09 Feb 2006 16:46:30 GMT
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Hi

Are you sure the file is in the correct charset encoding ?
I've found many reports for the same problem, and bad file encoding was the trick.

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Sun, 26 Feb 2006 19:29:10 GMT
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I have the same problem with non-Latin symbols (cyrillic). Selecting the right encoding Setup->Environment->Editor doesn't help.
Build 602beta4, OS FreeBSD 6.0

Subject: Re: some non-english characters don't display
Posted by mirek on Sun, 26 Feb 2006 19:58:53 GMT
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At least on Linux, there is another issue - widely used fonts (e.g. Bitstream Vera) do not contain required unicde characters. Other toolkits hide this fact by picking required characters from other fonts. We will fix this issue asap (probably by synthetising missing chars).

Of course, it this is the case, you would see "boxes" instead of characters. If this is not true, we will do further investigations...

(FreeBSD in in early stage of support. It is possible that IM behaves differently).

Mirek

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Mon, 27 Feb 2006 20:31:12 GMT
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When I use 'Courier New' font in ide I can see cyrillic characters in files if those chars are inserted in 3rd party editor. When I use e.g. 'Courier' I see boxes.
But in no way I can input cyrillic chars in upp applications (have tried in ide and in AddressBook).

Subject: Re: some non-english characters don't display
Posted by mirek on Mon, 27 Feb 2006 20:37:16 GMT
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"Courier" (non TTF bitmap font) is missing cyrillic characters (you can check this by "Character map" in Win Accessories/System tools).

To enter cyrillic characters, you have to set the right code-page for your file (U++ stores codepage of package and file in package information).

Current codepage is displayed in the window caption. Default codepage is windows-1252, but that does not allow cyrillic chars. Please check that.

You can set code-page in Package organizer or File properties.

Mirek

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Mon, 27 Feb 2006 21:09:35 GMT
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I have set 'koi8-r' everywhere in file properties, package organizer and setup for environment. Still can't type cyrillic.

Output of 'locale' is the following:
LANG=ru_RU.KOI8-R
LC_CTYPE="ru_RU.KOI8-R"
LC_COLLATE="ru_RU.KOI8-R"
LC_TIME="ru_RU.KOI8-R"
LC_NUMERIC="ru_RU.KOI8-R"
LC_MONETARY="ru_RU.KOI8-R"
LC_MESSAGES="ru_RU.KOI8-R"
LC_ALL=

One more thing. ide falls to core when I try to set encoding in package organizer to two or more packages simultanuosly without pressing OK button.

Subject: Re: some non-english characters don't display
Posted by mirek on Mon, 27 Feb 2006 21:19:42 GMT
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dr_jumba wrote on Mon, 27 February 2006 16:09I have set 'koi8-r' everywhere in file properties, package organizer and setup for environment. Still can't type cyrillic.

Output of 'locale' is the following:
LANG=ru_RU.KOI8-R
LC_CTYPE="ru_RU.KOI8-R"
LC_COLLATE="ru_RU.KOI8-R"
LC_TIME="ru_RU.KOI8-R"
LC_NUMERIC="ru_RU.KOI8-R"
LC_MONETARY="ru_RU.KOI8-R"
LC_MESSAGES="ru_RU.KOI8-R"
LC_ALL=

One more thing. ide falls to core when I try to set encoding in package organizer to two or more packages simultanuosly without pressing OK button.

Ahh, sorry, as you were speaking about Courier, I came to conclusion you are speaking about Win32.

Well, I think that this is a bug (or rather unimplemented feature). So far, U++ was tested with (and developed for) UTF-8 linux systems.

You can check the code in CtrlCore/X11Proc.cpp around line 137.

Mirek

Subject: Re: some non-english characters don't display
Posted by mirek on Mon, 27 Feb 2006 21:25:31 GMT
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luzr wrote on Mon, 27 February 2006 16:19dr_jumba wrote on Mon, 27 February 2006 16:09I have set 'koi8-r' everywhere in file properties, package organizer and setup for environment. Still can't type cyrillic.

Output of 'locale' is the following:
LANG=ru_RU.KOI8-R
LC_CTYPE="ru_RU.KOI8-R"
LC_COLLATE="ru_RU.KOI8-R"
LC_TIME="ru_RU.KOI8-R"
LC_NUMERIC="ru_RU.KOI8-R"
LC_MONETARY="ru_RU.KOI8-R"
LC_MESSAGES="ru_RU.KOI8-R"

LC_ALL=

One more thing. ide falls to core when I try to set encoding in package organizer to two or more packages simultanuosly without pressing OK button.

Ahh, sorry, as you were speaking about Courier, I came to conclusion you are speaking about Win32.

Well, I think that this is a bug (or rather unimplemented feature). So far, U++ was tested with (and developed for) UTF-8 linux systems.

You can check the code in CtrlCore/X11Proc.cpp around line 137.

Mirek

Staring at the code

```
Status status;
int len = XmbLookupString(w.xic, &event->xkey, buff, sizeof(buff), &keysym, &status);
buff[len] = 0;
if(status == XLookupChars || status == XLookupBoth)
    chr = FromUtf8(buff, len)[0];
```

I think that the problem is that instead of FromUtf8 (only) there should be general conversion based on current locale...

Mirek

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Fri, 03 Mar 2006 23:01:24 GMT
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In

```
Status status;
int len = XmbLookupString(w.xic, &event->xkey, buff, sizeof(buff), &keysym, &status);
buff[len] = 0;
if(status == XLookupChars || status == XLookupBoth)
    chr = FromUtf8(buff, len)[0];
```

I have changed XmbLookupString to Xutf8LookupString and now I am happy user, who can type in cyrillic symbols!!!!!

Subject: Re: some non-english characters don't display
Posted by mirek on Fri, 03 Mar 2006 23:15:21 GMT
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Actually, I wanted to use Xutf8LookupString originally, but there is quite a lot of warnings over the net about this function...

Anyway, looks like the most straighforward way now. I am changeing the code to it now

Mirek

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Fri, 03 Mar 2006 23:18:26 GMT
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Quote:
Actually, I wanted to use Xutf8LookupString originally, but there is quite a lot of warnings over the net about this function...

What are the warnings?

Subject: Re: some non-english characters don't display
Posted by mirek on Sat, 04 Mar 2006 06:45:06 GMT
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dr_jumba wrote on Fri, 03 March 2006 18:18Quote:
Actually, I wanted to use Xutf8LookupString originally, but there is quite a lot of warnings over the net about this function...

What are the warnings?

Try google

Mirek

Subject: Re: some non-english characters don't display
Posted by dr_jumba on Sat, 04 Mar 2006 11:21:14 GMT
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Have tried.
Most of materials I have found are posted more than couple of years ago. May it is not an issue today.

Subject: Re: some non-english characters don't display
Posted by mirek on Sat, 04 Mar 2006 12:32:28 GMT
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dr_jumba wrote on Sat, 04 March 2006 06:21Have tried.
Most of materials I have found are posted more than couple of years ago. May it is not an issue today.

I agree.

Mirek

Subject: Re: some non-english characters don't display
Posted by Raygun on Fri, 04 Aug 2006 11:31:29 GMT
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Umm.. guys..
Please help a newcomer

I'm trying to write my labels in Russian, but to no avail.
In .lay-designer everything seems just fine, since I've reinstalled everything and set codepage to Win-1251 since the very start. Yes, I've tried to simply change the codepage before, but my problem remained, hence -> the reinstallation.

Okay, I can type in Russian and see the text on my controls, fine. But as soon as I start my app, the text is in gibberish, that is European chars from the second part of (8-bit) ASCII table are used.

It looks like my application is using a wrong (i.e. w/o Cyrillic chars) font. You see, when I create a form in MS Visual Studio (2003), the font selection dialog looks like this - http://img211.imageshack.us/my.php?image=fontselcrwd2.png

As you can see, it allows you to select encoding for your font, which is great. The IDE's font selection panel doesn't offer this.

Could someone please explain, how to use Cyrillic characters on controls?

P.S. I'm on WinXP SP1, English, but Russian fonts/keyboard layout are installed, no problem with that whatsoever, Russian filenames are ok, everything works.

Subject: Re: some non-english characters don't display
Posted by fudadmin on Fri, 04 Aug 2006 11:48:43 GMT
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Raygun wrote on Fri, 04 August 2006 12:31
...
It looks like my application is using a wrong (i.e. w/o Cyrillic chars) font. You see, when I create a form in MS Visual Studio (2003), the font selection dialog looks like this - http://img211.imageshack.us/my.php?image=fontselcrwd2.png

As you can see, it allows you to select encoding for your font, which is great. The IDE's font selection panel doesn't offer this.
...

What if you try Menu->Project->Package Organizer.
And in that window: top-right ->Encoding (selector)?
It helped me to display russian...
I can't remember what else I used...

Subject: Re: some non-english characters don't display
Posted by Raygun on Fri, 04 Aug 2006 12:16:45 GMT
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fudadmin wrote on Fri, 04 August 2006 14:48
What if you try Menu->Project->Package Organizer.
And in that window: top-right ->Encoding (selector)?
It helped me to display russian...
I can't remember what else I used...

Nope, didn't work. Encoding was set to 'Default', and I believe that default is CP-1251, because that's what I have set in Setup -> Environment -> Editor -> Default charset.

Anyway, nothing changed after I went to Menu->Project->Package Organizer and changed encoding from 'Default' to 'Windows 1251'
(and launched 'Rebuild All' afterwards, most certainly)..

Subject: Re: some non-english characters don't display

Posted by fudadmin on Fri, 04 Aug 2006 20:48:40 GMT
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Raygun wrote on Fri, 04 August 2006 13:16
...
Nope, didn't work.

I've just checked that I was happy when I had russian text in ArrayCtrl from my database.

Is this a bug or some tricks are needed for labels?

Subject: Re: some non-english characters don't display
Posted by mirek on Sat, 05 Aug 2006 15:04:39 GMT
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There are two encoding settings that get into the action when you develop your app:

First, there is encoding used to edit the file. However, for the app running, text is just a sequence of bytes; it needs to know how to interpret it.

U++ is basically Unicode/UTF-8 system (most of internal processing ends as unicode). Anyway, as in the real life things are never as simple (e.g. we have to maintain legacy apps in Win-1250 , you can set the "default charset" and most string literals are then converted from it (somewhere in DrawText).

Long story short, please try

SetDefaultCharset(CHARSET_WIN1251)

I guess you will also need set the language, so you can do both using

SetLanguage(LNGC_('R', 'U', 'R', 'U', CHARSET_WIN1251));

BTW, maybe even better is to stay with utf-8, which is "default default encoding", as long as you are not concerned with "external" troubles.

Mirek

Subject: Re: some non-english characters don't display
Posted by Raygun on Sun, 06 Aug 2006 10:35:58 GMT
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Well, what do you know!
Adding SetDefaultCharset(CHARSET_WIN1251); as the first thing in GUI_APP_MAIN helped!

Thanks a lot, I guess it's better to understand how the whole thing works if you plan using it seriously, but this workaround is just fine for my first experiments, I guess