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Subject: CJK support

Posted by [unknown user](#) on Wed, 23 Aug 2006 15:03:19 GMT

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luzr wrote on Wed, 23 August 2006 06:08P.S.: Looking at the image you posted

- looks like U++ is able to support chinese in the end

- you are using 605 version ("stable"). There are many improvements in current "dev" version, maybe you could try it in parallel.

Mirek

yes,as you have seen,display chinese is ok with setting:"SetDefaultCharset(CHARSET\_UTF8);"  
TheIDE do has some thing not compatible with Chinese,include file choser and following attach:

#### File Attachments

1) [chn.PNG](#), downloaded 2160 times

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Subject: Re: Where can I store 32 bit data

Posted by [mirek](#) on Wed, 23 Aug 2006 17:52:58 GMT

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As for problems with chinese glyphs in TheIDE - well, what is the situation with "monospace" fonts for glyphs?

TheIDE's LineEdit expects characters to be monospace and fit within monospace "cells".

Alternatively, perhaps you could post me some text in utf-8 chinese and perhaps the font you are using for it. (I know nothing about chinese and I do not in fact have any method how to try to enter chinese glyphs in TheIDE

Mirek

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Subject: Re: Where can I store 32 bit data

Posted by [unknown user](#) on Thu, 24 Aug 2006 00:10:24 GMT

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luzr wrote on Wed, 23 August 2006 13:52As for problems with chinese glyphs in TheIDE - well, what is the situation with "monospace" fonts for glyphs?

TheIDE's LineEdit expects characters to be monospace and fit within monospace "cells".

Alternatively, perhaps you could post me some text in utf-8 chinese and perhaps the font you are using for it. (I know nothing about chinese and I do not in fact have any method how to try to enter chinese glyphs in TheIDE

Mirek

well,in SQLite3,the default encoding is also UTF8,so if we have Chinese in the opening file path,we will fail to open the database,it says:"can't find the database file".that is same for U++,normally we use GB3212 or GBK encoding(same). there some code shows how to prefer the converting.

btw:one Chinese charater need two byte space

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#### File Attachments

1) [chn-convert.zip](#), downloaded 2223 times

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Subject: Re: Where can I store 32 bit data

Posted by [unknown user](#) on Thu, 24 Aug 2006 00:41:31 GMT

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Edit String can support Chinese input

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#### File Attachments

1) [EditString.PNG](#), downloaded 3343 times

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Subject: Re: Where can I store 32 bit data

Posted by [mirek](#) on Thu, 24 Aug 2006 03:52:51 GMT

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Do I understand well that GBK is the encoding of your filesystem in the "ASCII" mode?

Mirek

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Subject: Re: Where can I store 32 bit data

Posted by [unknown user](#) on Thu, 24 Aug 2006 04:11:44 GMT

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luzr wrote on Wed, 23 August 2006 23:52Do I understand well that GBK is the encoding of your filesystem in the "ASCII" mode?

Mirek

yes,you get it,multibyte with 8th bit of some byte set to 1,  
btw,where can I down the GridCtrl?

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Subject: Re: Where can I store 32 bit data  
Posted by [mirek](#) on Thu, 24 Aug 2006 16:43:44 GMT  
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I was investigating a little...

Seems like GBK is extension to GB2312 and it is code page 936 in Win... Right?

Is there some \_simple\_ way how to perform conversion without using Win32 API (because of linux...)? I do not like the idea adding big conversion table... Alternatively, is there some way how to do that in Linux?

Mirek

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Subject: Re: Where can I store 32 bit data  
Posted by [mirek](#) on Thu, 24 Aug 2006 16:57:14 GMT  
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I have found this info:

Quote:

What Big5 encodes are particular graphical representations of characters or part of characters that happen to fit in the space taken by two monospaced ASCII characters.

Does it mean that "monospaced" glyphs in chinese occupy two character cells?

That would be hell to implement in TheIDE Perhaps I will have to find some alternate method (smaller font for chinese chars perhaps, to fit into cell).

Mirek

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Subject: Re: Where can I store 32 bit data  
Posted by [unknown user](#) on Fri, 25 Aug 2006 03:34:38 GMT  
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luzr wrote on Thu, 24 August 2006 12:57I have found this info:

Quote:

What Big5 encodes are particular graphical representations of characters or part of characters that happen to fit in the space taken by two monospaced ASCII characters.

Does it mean that "monospaced" glyphs in chinese occupy two character cells?

That would be hell to implement in TheIDE Perhaps I will have to find some alternate method (smaller font for chinese chars perhaps, to fit into cell).

Mirek

That's right,BIG5,GB2312,GBK,maybe Japanese and Korea are in the same situation.I don't think it's a hell,you know,stringEdit can display input Chinese correctly,that means,U++ have the potential ability to deal with the East character. smaller font will make it look strange.

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Subject: Re: Where can I store 32 bit data

Posted by [mirek](#) on Fri, 25 Aug 2006 06:43:29 GMT

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Well, the trouble is that LineEdit expects strictly monospaced font - all characters having the same width. All the code around LineEdit is based on this axiom...

Sure, for proportional editors, this is little problem.

Anyway, please send me some small UTF-8 encoded file with chinese glyphs to play with...

Mirek

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Subject: Re: Where can I store 32 bit data

Posted by [unknown user](#) on Fri, 25 Aug 2006 14:40:07 GMT

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luzr wrote on Fri, 25 August 2006 02:43

Anyway, please send me some small UTF-8 encoded file with chinese glyphs to play with...

Mirek

OK,I don't know if this right what you want,I copy some chinese character to notpad save as UTF-8.

### File Attachments

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1) [UTF-8\\_ENCODE.txt](#), downloaded 1174 times

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Subject: Re: Where can I store 32 bit data

Posted by [mirek](#) on Sun, 27 Aug 2006 18:15:36 GMT

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Thanks, that is exactly I need

BTW, what is the unicode range for those "double-mono" spaced characters? (In other words, range for chinese glyphs..)

Another question: Is GBK needed in Linux too? Or they are wisely UTF-8 now?

Mirek

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Subject: Re: Where can I store 32 bit data  
Posted by [unknown user](#) on Mon, 28 Aug 2006 00:14:57 GMT  
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luzr wrote on Sun, 27 August 2006 14:15 Thanks, that is exactly I need

BTW, what is the unicode range for those "double-mono" spaced characters? (In other words, range for chinese glyphs..)

Another question: Is GBK needed in Linux too? Or they are wisely UTF-8 now?

Mirek

Sorry, I don't know it so detail, but maybe this can help:

<http://www.unicode.org/charts/PDF/U4E00.pdf>

<http://www.unicode.org/charts/>

<http://www.unicode.org/charts/unihan.html>

<http://sourceforge.net/projects/fontmanager>

<http://sourceforge.net/projects/cce2k>

normally, you can deal with CJK at the same way

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Subject: Re: Where can I store 32 bit data  
Posted by [mirek](#) on Mon, 28 Aug 2006 14:15:07 GMT  
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Another interesting aspect - it looks like ideograms are in fact "monospaced" - is this observation correct? Or most of them?

That would be great as I could save a lot of memory for character width storage

Mirek

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Subject: Re: Where can I store 32 bit data  
Posted by [unknown user](#) on Mon, 28 Aug 2006 14:55:00 GMT

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luzr wrote on Mon, 28 August 2006 10:15 Another interesting aspect - it looks like ideograms are in fact "monospaced" - is this observation correct? Or most of them?

That would be great as I could save a lot of memory for character width storage

Mirek

yes, this is correct, for for CJK, using several bytes (normally 2) to index the ideograms, the ideograms are monospaced. such as 16\*16 etc.

size.

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#### File Attachments

1) [songti.PNG](#), downloaded 3028 times

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Subject: One more on FontSelect

Posted by [unknown user](#) on Thu, 31 Aug 2006 00:32:39 GMT

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FontSelector can't display the font name in Chinese:

that fix should be easy by Mirek

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#### File Attachments

1) [FontSelelect.PNG](#), downloaded 3013 times

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