
Subject: StrDbl and decimal separator

Posted by [forlano](#) on Tue, 03 Apr 2007 17:00:55 GMT

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Hello,

recently I had a bad experience during the parse of a file containing double under Linux. In fact the environment used the "," as decimal separator (very stupid Italian custom and maybe of some other country). So the program wrote its double with "," and successively StrDbl failed to read them. In fact

0,5 1,0 became as the integers 0 and 1. This produced weird results all around. The question is: how to avoid this misunderstanding?

Of course one is to say in advance to the user to set differently the decimal separator. But this is cumbersome because the user really need that stupid sign for other reason and switching each time is not good.

Perhaps it is enough to force the program to save its double with the "." irrespective of the environment. Is it possible?

Any other solution is welcome.

Luigi

PS: to read the numbers in the line :

0,5 1,0

I use Split because the numbers in the row may change. So I've in this case two strings to convert in double. Perhaps there is safer way to read them.

Subject: Re: StrDbl and decimal separator

Posted by [forlano](#) on Tue, 03 Apr 2007 17:03:56 GMT

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forlano wrote on Tue, 03 April 2007 19:00Hello,

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Luigi

PS: to read the numbers in the line :

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EDIT: Just now I found: String decimal_point
Is this the solution and how to use it?

Subject: Re: StrDbl and decimal separator
Posted by [forlano](#) on Wed, 04 Apr 2007 17:11:28 GMT
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I've found this piece of code in the library:

```
LanguageInfoCS::LanguageInfoCS()  
: LanguageInfo(LNG_CZECH)  
{  
    english_name = "Czech";  
  
    // charset = CHARSET_WIN1250;  
    // thousand_separator = L" ";  
    // decimal_point = L",";  
}
```

maybe even in CZECH it is used the "," as decimal separator. Because I need to exchange the files produced by windows and linux, it is important to freeze one time for all the internal representation of the decimal_point. So I am ready to modify the library and override, within my app, what the user has chosen before.

So the question is: how to set definitively the "." as decimal point for all kind of language?

It seems I've to intercept the following instructions:
decimal_point = GetLocaleInfoA(lcid, LOCALE_SDECIMAL); //windows
decimal_point = lc->decimal_point; // linux

and set for both

decimal_point = ".";

is it enough or I am going to do weird things?

Thank you,
Luigi

Subject: Re: StrDbl and decimal separator
Posted by [mirek](#) on Thu, 05 Apr 2007 16:54:52 GMT
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Last week, Tom has added "accept_comma" to

```
double    ScanDouble(const char *ptr, const char **endptr = NULL, bool accept_comma = true);  
double    ScanDouble(const wchar *ptr, const wchar **endptr = NULL, bool accept_comma =  
true);
```

Hope this helps

Mirek

Subject: Re: StrDbl and decimal separator
Posted by [forlano](#) on Thu, 05 Apr 2007 17:30:07 GMT
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luzr wrote on Thu, 05 April 2007 18:54Last week, Tom has added "accept_comma" to

```
double    ScanDouble(const char *ptr, const char **endptr = NULL, bool accept_comma = true);  
double    ScanDouble(const wchar *ptr, const wchar **endptr = NULL, bool accept_comma =  
true);
```

Hope this helps

Mirek

The problem regarded an old version of the library. This new methods should do the job.
Thanks!

Luigi
