Subject: i18n
Posted by arturbac on Fri, 25 May 2007 21:15:58 GMT
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2 things i found on Linux Gentoo & FreeBSD

i have at the begining of App
SetLanguage(GetSystemLNG());

If i dont have locale on OS set with above invocation of Setlanguage the Format(..) function throws Assert
if I disable above SetLanguage, the Format for such string writes no . or , chars for double value.

Format(value < 0 ? "(%nl)" : "%nl", value);

Subject: Re: i18n
Posted by mirek on Sat, 26 May 2007 05:57:35 GMT
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This should fix it:

Core/Lang.cpp 130:

```
#ifdef PLATFORM_POSIX
int GetSystemLNG() {
 static int lang;
 ONCELOCK (
  String s = Environment().Get("LANG", Null);
  lang = LNGFromText(s);
  if(!lang)
   lang = LNG_ENGLISH;
  const char *q = strchr(s, '.');
  if(q)
   lang = SetLNGCharset(lang, CharsetByName(q + 1));
 );
 return lang;
};

#endif
```

Mirek

Subject: Re: i18n
Posted by arturbac on Sat, 26 May 2007 16:01:10 GMT
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This will fix the app crash , ie read beoyond the string
But I'm not sure where to search fo lack of "." or "," in double values

```
#ifdef PLATFORM_POSIX
int GetSystemLNG() {
 static int lang;
 INIT_LOCK (
  String s = Environment().Get("LANG", Null);
  if ( s.GetCount()>4 )
   lang = LNGFromText(s);
  else
   lang = LNG_ENGLISH;
  const char *q = strchr(s, '.');
  if(q)
   lang = SetLNGCharset(lang, CharsetByName(q + 1));
 );
 return lang;
};

#endif
```

Subject: Re: i18n
Posted by mirek on Mon, 28 May 2007 12:42:05 GMT
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WEll, the idea of my fix was the if the language is not recognized, it is set as LNG_ENGLISH.
Have you tried that?

Subject: Re: i18n
Posted by arturbac on Tue, 29 May 2007 15:36:49 GMT
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lang = LNGFromText(s);
if(!lang)

I got app crashed becouse of attempt to read beoyound the string in
LNGFromText(s);

i have s.GetCount() == 0;

so
int LNGFromText(const char *s)
{
 int l = 0;
 if(IsAlpha(*s)) {

s == NULL , and will fail , Am i right ?

Subject: Re: i18n
Posted by mirek on Tue, 29 May 2007 16:32:23 GMT
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Well, no. If s.GetCount() == 0, then *s == '\0'.

Not arguing with the crash, going to test it now

Mirek

Subject: Re: i18n
Posted by mirek on Tue, 29 May 2007 16:39:49 GMT
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OK, just tested:

 DUMP(LNGFromText(String()));

and getting 0, no crash, just as expected.

Whatever crashes for you, must be something different...

Subject: Re: i18n
Posted by arturbac on Tue, 29 May 2007 16:52:58 GMT
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ONCELOCK undefined ...

----- UppCalc (GUI MAIN GCC DEBUG SHARED DEBUG_FULL BLITZ LINUX) (9 / 9)
/root/uppsrc/Core/Lang.cpp: In function 'int Upp::GetSystemLNG()':
/root/uppsrc/Core/Lang.cpp:115: error: expected primary-expression before 's'
/root/uppsrc/Core/Lang.cpp:115: error: expected `)' before 's'
/root/uppsrc/Core/Lang.cpp:116: error: 's' was not declared in this scope

/root/uppsrc/Core/Lang.cpp:122: error: expected primary-expression before ')' token
/root/uppsrc/Core/Lang.cpp:122: error: expected `;' before ')' token
Core: 1 file(s) built in (0:04.03), 4038 msecs / file, duration = 4202 msecs, parallelization 0%

There were errors. (0:06.45)

but with INIT_LOCK works

Hoever there are still no . or , in values from double in formated string.

Subject: Re: i18n
Posted by mirek on Tue, 29 May 2007 17:24:40 GMT
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ONCELOCK: Sorry, should be

ONCELOCK { .... }

(is "( )").
