Subject: Untrivial EditString bug(?) in FreeBSD(and may be all POSIX)
Posted by Mindtraveller on Wed, 01 Apr 2009 21:21:47 GMT
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I develop some app for both Windows and FreeBSD systems. Last code changes revealed very
untrivial (from my point of view) behaviour in POSIX systems. When compiled and linked,
application is executed in Windows flawlessly without any runtime errors. In FreeBSD the same
application causes segmentation fault on startup.
I dag into the source of this fault.
So the fault happens when static EditString class member is appeared.
It looks like this:
//.h
class AAA {static EditString es;};
//.cpp
//...
EditString AAA::es;
Debugger shows call stack when this fault happens:
Quote:XInternAtom () from /usr/local/lib/libX11.so.6
Upp::XAtom ()
Upp::Ctrl::IsCompositedGui ()
Upp::Ctrl::Ctrl ()
Upp::EditField::EditField ()
Upp::EditValue<Upp::WString, Upp::ConvertString>::EditValue ()
Upp::EditString::EditString ()

If I make this EditString non-static, application runs flawlessly without faults. It seems like
something in EditString ctor causes big segmentation fault when executed on program start, in the
globals initialization period.