Subject: [BUG] TheIDE startup JPEG error
Posted by masu on Fri, 12 Mar 2010 17:26:45 GMT
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Hi,

I get the following error before getting the package selection dialog when running ide -install:
terminate called after throwing an instance of 'Upp::JpegErrorException'
OS: CentOS 5.1
SVN: rev2221

Do you have any idea?

Matthias

Subject: Re: [BUG] TheIDE startup JPEG error
Posted by masu on Fri, 12 Mar 2010 21:29:28 GMT
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Strangely, on Ubuntu 8.04 I get:
terminate called after throwing an instance of 'Upp::PngErrorException'
Does it have something to do with shared linked library versions?

Matthias

Subject: Re: [BUG] TheIDE startup JPEG error
Posted by mirek on Sat, 13 Mar 2010 08:09:04 GMT
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masu wrote on Fri, 12 March 2010 12:26Hi,

I get the following error before getting the package selection dialog when running ide -install:
terminate called after throwing an instance of 'Upp::JpegErrorException'
OS: CentOS 5.1
SVN: rev2221

Do you have any idea?

Matthias

Actually, yes, recently I have changed both jpg and png to use exceptions instead of setjmp.

Anyway, they should be correctly handled in the code.

Mirek

Subject: Re: [BUG] TheIDE startup JPEG error
Posted by masu on Sun, 14 Mar 2010 12:51:12 GMT
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It seems there is a problem with "icon16x16.png" loading for the package selection dialog.
If I choose the bazaar directory it tries to load image
bazaar/DockCtrl/icon16x16.png which is not present!
Here ist the backtrace of debug session (the call is in step #17):
#0 0xb7faa410 in __kernel_vsyscall ()
#1 0xb7bda085 in raise () from /lib/tls/i686/cmov/libc.so.6
#2 0xb7bdba01 in abort () from /lib/tls/i686/cmov/libc.so.6
#3 0xb7dea480 in __gnu_cxx::__verbose_terminate_handler () from /usr/lib/libstdc++.so.6
#4 0xb7de7d05 in ?? () from /usr/lib/libstdc++.so.6
#5 0xb7de7d42 in std::terminate () from /usr/lib/libstdc++.so.6
#6 0xb7de7e6a in __cxa_throw () from /usr/lib/libstdc++.so.6
#7 0x08546a1c in png_user_error_fn (png_ptr=0x8990b68, error_msg=0x86a61a8 "Error reading input file!")
at /home/masu/upp-svn/uppsrc/plugin/png/pngupp.cpp:38
#8 0xb7e3ec89 in png_error () from /usr/lib/libpng12.so.0
#9 0x085480d7 in png_read_stream (png_ptr=0x8990b68, buffer=0x8990e50 "", length=8) at /home/masu/upp-svn/uppsrc/plugin/png/pngupp.cpp:18
#10 0xb7e34c12 in ?? () from /usr/lib/libpng12.so.0
#11 0xb7e33d5c in png_read_info () from /usr/lib/libpng12.so.0
#12 0x085471b8 in Upp::PNGRaster::Init (this=0xb7730620) at /home/masu/upp-svn/uppsrc/plugin/png/pngupp.cpp:113
#13 0x0854776f in Upp::PNGRaster::Create (this=0xb7730620) at /home/masu/upp-svn/uppsrc/plugin/png/pngupp.cpp:126
#14 0x08461c71 in Upp::StreamRaster::Open (this=0xb7730620, _s=@0xbf93969c) at /home/masu/upp-svn/uppsrc/Draw/Raster.cpp:182
#15 0x08468a86 in Upp::StreamRaster::OpenAny (s=@0xbf93969c) at /home/masu/upp-svn/uppsrc/Draw/Raster.cpp:234
#16 0x08474ff1 in Upp::StreamRaster::LoadAny (s=@0xbf93969c, progress=@0xbf9396e0) at /home/masu/upp-svn/uppsrc/Draw/Raster.cpp:244
#17 0x084771e4 in Upp::StreamRaster::LoadFileAny (fn=0xb7903298 "/usr/share/upp/bazaar/DockCtrl/icon16x16.png", progress=@0xbf939780)
at /home/masu/upp-svn/uppsrc/Draw/Raster.cpp:251
#18 0x080de7ed in SelectPackageDlg::Load (this=0xbf939f0c, upp=@0xbf939c10, dir=@0xbf939bf8, progress_pos=0, progress_count=1000,
case_fixed=@0xbf939b80, cache=@0xbf939afc) at /home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:561
#19 0x080df2e4 in SelectPackageDlg::Load (this=0xbf939f0c) at /home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:608
#20 0x080df6c5 in SelectPackageDlg::OnBase (this=0xbf939f0c) at /home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:383
#21 0x080ef621 in Upp::CallbackMethodAction<SelectPackageDlg, void (SelectPackageDlg::*)()>::Execute (this=0xb7732ef0)
at /home/masu/upp-svn/uppsrc/Core/Cbgen.h:31
#22 0x083613e6 in Upp::Callback::Execute (this=0xbf93bbe4) at /home/masu/upp-svn/uppsrc/Core/Callback.cpp:11

#23 0x08116e7f in Upp::Callback::operator() (this=0xbf93bbe4) at
/home/masu/upp-svn/uppsrc/Core/Cbgen.h:63
#24 0x08265725 in Upp::ArrayCtrl::SetCursor0 (this=0xbf93b18c, i=0, dosel=true) at
/home/masu/upp-svn/uppsrc/CtrlLib/ArrayCtrl.cpp:1256
#25 0x08265d60 in Upp::ArrayCtrl::SetCursor (this=0xbf93b18c, i=0) at
/home/masu/upp-svn/uppsrc/CtrlLib/ArrayCtrl.cpp:1273
#26 0x080df987 in SelectPackageDlg::SyncBase (this=0xbf939f0c, initvars=@0xbf939e90) at
/home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:640
#27 0x080dfa77 in SelectPackageDlg::Run (this=0xbf939f0c, startwith=@0xbf93cd28) at
/home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:350
#28 0x080e1b88 in SelectPackage (title=0xb79034d8 "Select main package (TheIDE  2010-03-14
12:25)", startwith=0xbf93dbe0 "", selectvars=true,
    main=true) at /home/masu/upp-svn/uppsrc/ide/SelectPkg.cpp:721
#29 0x080e1e5b in Ide::OpenMainPackage (this=0xbf93ce6c) at
/home/masu/upp-svn/uppsrc/ide/ide.cpp:167
#30 0x080e35ad in GuiMainFn_ () at /home/masu/upp-svn/uppsrc/ide/idewin.cpp:1000
#31 0x080e3bc6 in main (argc=Cannot access memory at address 0x1957
) at /home/masu/upp-svn/uppsrc/ide/idewin.cpp:706
Matthias

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by masu on Sun, 14 Mar 2010 13:35:14 GMT
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A quick fix for now is to replace ide/SelectPkg.cpp:562 with

cache[q].icon = IdeImg::Package();
This avoid try loading custom package items for each package in selection dialog.

Matthias

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by mirek on Sun, 14 Mar 2010 18:04:33 GMT
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Well, this is really weird, as:

```
bool PNGRaster::Init()
{
 try {
  if(!(data->png_ptr = png_create_read_struct(PNG_LIBPNG_VER_STRING,
                                    NULL, png_user_error_fn, png_user_warning_fn)))
   return false;
  if(!(data->info_ptr = png_create_info_struct(data->png_ptr)))
```

```
   return false;
  png_set_read_fn(data->png_ptr, &GetStream(), png_read_stream);
  png_read_info(data->png_ptr, data->info_ptr); <<--- line 113
  return true;
 }
 catch(PngErrorException) {
  return false;
 }
}
```

So the last call from U++ is in try block, with catch provided....

So either I do not understand C++ exceptions well, or something is wrong with compiler? Perhaps it is not possible to catch exception over C code? (That would be pity, because I have switched from setjmp as it does not work in Win64...)

Mirek

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by mdelfede on Sun, 14 Mar 2010 18:23:35 GMT
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luzr wrote on Sun, 14 March 2010 19:04

So either I do not understand C++ exceptions well, or something is wrong with compiler? Perhaps it is not possible to catch exception over C code? (That would be pity, because I have switched from setjmp as it does not work in Win64...)

Mirek

IIRC, C exceptions are handled quite differently than c++ ones, with __try and __exception blocks (I don't remember if names are exactly this...). I think you should enclose C code on a C exception, using c++ one won't work.

Ciao

Max

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by mirek on Sun, 14 Mar 2010 18:39:49 GMT
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mdelfede wrote on Sun, 14 March 2010 14:23luzr wrote on Sun, 14 March 2010 19:04

So either I do not understand C++ exceptions well, or something is wrong with compiler? Perhaps it is not possible to catch exception over C code? (That would be pity, because I have switched from setjmp as it does not work in Win64...)

Mirek

IIRC, C exceptions are handled quite differently than c++ ones, with __try and __exception blocks (I don't remember if names are exactly this...). I think you should enclose C code on a C exception, using c++ one won't work.

Ciao

Max

Well, I think it is the safe bet. I will encapsulate all calls in C library interface (with setjmp) that will be called by C++.

And I thought I have a free evening tonight...

Mirek

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by mirek on Sun, 14 Mar 2010 22:05:16 GMT
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Should be fixed now, please check.

Mirek

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Subject: Re: [BUG] TheIDE startup JPEG error
Posted by masu on Mon, 15 Mar 2010 11:27:58 GMT
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Mirek,

it works again !

Thanx,
Matthias

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