Subject: if you want to build theide 8227 for X11 on Mavericks - works now!
Posted by fudadmin on Sun, 19 Jul 2015 00:17:17 GMT
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Hi, at last I have my OSX machines working...
So, if you want to build theide 8227 for X11 on Mavericks.
Installation:
1. Install XCode 6.2
2. Install Macports
3. Install XQuartz
4. Install zlib, glib2, libpng, libnotify, freetype, Xft2, atk, gtk2 via sudo port install [name]
5. Download upp stable 8227 for linux (tested).
6. Replace the Makefile (attached here)

Changes in sources needed:
1. Core/TimeDate.cpp

```
bool SetSysTime(Time time)
{
#ifdef PLATFORM_POSIX
 struct tm      tmp_time;
 tmp_time.tm_sec  = time.second;
 tmp_time.tm_min  = time.minute;
 tmp_time.tm_hour = time.hour;
 tmp_time.tm_mday = time.day;
 tmp_time.tm_mon  = time.month-1;
 tmp_time.tm_year = time.year-1900;
 time_t raw_time  = mktime(&tmp_time);

 struct timespec sys_time;
 sys_time.tv_sec  = raw_time;
 sys_time.tv_nsec = 0;

#ifdef __MACH__
#include <sys/time.h>

    localtime(&raw_time);  //aris002 BUG TMP!!! HACK to compile!
   return true;

#else
 int result = clock_settime(CLOCK_REALTIME, &sys_time);
 return (result == 0);
#endif
#endif
```

2. plugin/ndisasm/lib/inttypes.h

```
/* long is 64 bits */
#ifdef __APPLE__
   typedef long long  int64_t;
```

```
   typedef unsigned long long  uint64_t;
#else
   typedef signed long  int64_t;
   typedef unsigned long  uint64_t;
#endif
```

3.plugin/ndisasm/lib/compiler.h
Need to test on other versions than Mavericks
but now just comment:
//#ifdef __APPLE__
//#define _FORTIFY_SOURCE 0 //aris002 - in the future evaluate how unsafe are the safe funtions and vice versa
//#endif

[At the moment theide runs but can't build. Need to have a look into *.bm and ide/Builders/...]
Edited: It builds now! please find the files below:
1. GccBuilder.icpp
2. CLANG.bm
3. Core.upp

Also, need sort out SetSysTime. Ideas?
Other ideas? Anyone to test?
P.S. Fingers crossed, I will have a few weeks to work upp mac OSX and cocoa.

File Attachments

1) Makefile.zip, downloaded 624 times

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by mirek on Mon, 20 Jul 2015 06:54:22 GMT
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Wow, welcome back!

As for changes, both SetSysTime and ndisasm are of no consequence for theide (ndisasm is only used when debugging Microsoft C++ compiler output).

What are problems with building?

Mirek

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by fudadmin on Mon, 20 Jul 2015 10:12:14 GMT
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mirek wrote on Mon, 20 July 2015 07:54Wow, welcome back!

Mirek
Thanks a lot for the welcome! And sorry for the long absence...
There have been several problems with building. No 1 - quotes in linking library paths. I will post the rest later (now writing from my phone)

File Attachments

1) GccBuilder.icpp.zip, downloaded 519 times

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by fudadmin on Tue, 21 Jul 2015 00:11:02 GMT
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CLANG.BM file for OSX11

File Attachments

1) CLANG.bm.zip, downloaded 540 times

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by fudadmin on Tue, 21 Jul 2015 00:20:05 GMT
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Core.upp requires some changes:
library(LINUX) "pthread dl rt";

library(BSD !OSX11) "pthread rt execinfo";

library(OSX) pthread;

File Attachments

1) Core.upp.zip, downloaded 531 times

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by forlano on Tue, 21 Jul 2015 13:34:15 GMT
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Hi Aris!

happy to "see" you again
It depends by your efforts on porting U++ on MAC if one day I'll buy one.

Luigi

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by Tom1 on Tue, 21 Jul 2015 14:09:15 GMT
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Hi Aris,

Nice to have you back on the Upp forum!

Best regards,

Tom

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by fudadmin on Tue, 21 Jul 2015 22:55:52 GMT
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forlano wrote on Tue, 21 July 2015 14:34Hi Aris!

happy to "see" you again
It depends by your efforts on porting U++ on MAC if one day I'll buy one.

Luigi

Thanks, Luigi! You can't imagine how much I missed you all!
Aris

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by fudadmin on Tue, 21 Jul 2015 22:58:46 GMT
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Tom1 wrote on Tue, 21 July 2015 15:09Hi Aris,

Nice to have you back on the Upp forum!

Best regards,

Tom

I really appreciate your words, Tom. Thanks!
Aris

Subject: Re: if you want to build theide 8227 for X11 on Mavericks - works but need help
Posted by Klugier on Fri, 24 Jul 2015 22:46:48 GMT
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Hello Aris,

You can handle your Mac OS X issues on redmine. I have create special "Mac OS X" category to distinguish this issues. It is definitely better way to track your patches, than putting it on this forum. You will know what is fixed and what should be fixed in the future. Of course you can put instructions here. It can be more attractive for community than redmine.

I wish you successes on your way to port upp on Mac OS X. It would be great thing if upp will be full support on Mac without X11. Good luck!

Sincerely,
Klugier