

Ruby - Bug #6830

test failure test_constants(OpenSSL::TestConfig) [/ruby/test/openssl/test_config.rb:27] on Mac + homebrew

08/04/2012 02:32 PM - kosaki (Motohiro KOSAKI)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:	2.0.0	
ruby -v:	ruby 2.0.0dev (2012-08-04 trunk 36617) [x86_64-darwin12.0.0]	

Description

When using homebrew openssl, following test failure was happen.

1. Failure:

test_constants(OpenSSL::TestConfig) [/Users/kosaki/ruby/git/test/openssl/test_config.rb:27]:

Exception raised:

<#<Errno::ENOENT: No such file or directory - /usr/local/openssl-1.0.1c/openssl.cnf>>.

rough analysis.

homebrew installed openssl library to "/usr/local/Cellar/openssl/1.0.1c".

and following program output "/usr/local/openssl-1.0.1c".

int main()

{

printf("%s\n", X509_get_default_cert_area());

return 0;

}

I'm using following configure options.

configure

--disable-install-doc

--with-baseruby=/usr/bin/ruby

--prefix=\${HOME}/local/ruby-\${suffix}

--program-suffix=-\${suffix}

--with-openssl-dir=/usr/local/Cellar/openssl/1.0.1c

So, I have several questions.

1. Is X509_get_default_cert_area() a right way to obtain configuration file?

2. If yes, is this homebrew bug?

3. if yes, should we skip this test when using Mac OS X?

Associated revisions

Revision f207f7793da422b0a5fec771c5413fb9bd5b2bc0 - 08/09/2012 03:42 AM - kosaki (Motohiro KOSAKI)

- test/openssl/test_config.rb (OpenSSL#test_constants): skip this test if platform is Mac OS X or Windows. [Bug #6830]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36666 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision f207f779 - 08/09/2012 03:42 AM - kosaki (Motohiro KOSAKI)

- test/openssl/test_config.rb (OpenSSL#test_constants): skip this

test if platform is Mac OS X or Windows. [Bug #6830]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36666 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 08/04/2012 03:18 PM - shyouhei (Shyouhei Urabe)

- Status changed from Assigned to Feedback

Click the update button, then click "(More)". You can continue editing the description.

#2 - 08/04/2012 03:37 PM - kosaki (Motohiro KOSAKI)

- Description updated

- Status changed from Feedback to Assigned

#3 - 08/04/2012 09:56 PM - luislavena (Luis Lavena)

=begin
Hello guys,

If I can chime in, something similar happens on Windows:

<https://github.com/oneclick/rubyinstaller/pull/120#issuecomment-6641054>

And we workaround the issue by setting (({OPENSSL_CONF})) environment variable.

Now, I believe the root issue is not OpenSSL extension but OpenSSL itself that is using hardcoded paths.

At least Ruby tests should check if the default configuration file exists prior attempting to load it, as suggested in the RubyInstaller comment.

This issue is very common on Windows, where packages/libraries can be relocated to different drives or paths altogether, turning hardcoded paths into a problem.

=end

#4 - 08/09/2012 11:10 AM - MartinBosslet (Martin Bosslet)

Thanks for the detailed description! Luis has pointed out the issue on Windows to me already, and we agreed that this is probably a problem with OpenSSL itself. For quick relief, I will implement the check for the existence of the file about to be loaded and I'd also skip the test whenever it causes problems. Once done, I'll look into ways to avoid the issue with hardcoded paths altogether.

1. Is X509_get_default_cert_area() a right way to obtain configuration file?

Hmm, I'll investigate if there are better ways or alternatives.

#5 - 08/09/2012 12:42 PM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r36666.
Motohiro, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- test/openssl/test_config.rb (OpenSSL#test_constants): skip this test if platform is Mac OS X or Windows. [Bug #6830]

#6 - 08/10/2012 09:51 AM - usa (Usaku NAKAMURA)

On my Windows box, OpenSSL::Config::DEFAULT_CONFIG_FILE returns the right path.
So, this problem is not platform dependent but user's environment dependent.
Therefore, I can't agree r36666.

#7 - 08/11/2012 01:32 PM - kosaki (Motohiro KOSAKI)

- Status changed from Closed to Feedback

- Assignee changed from MartinBosslet (Martin Bosslet) to usa (Usaku NAKAMURA)

On my Windows box, OpenSSL::Config::DEFAULT_CONFIG_FILE returns the right path.

Which path do your OpenSSL return? I'm ok that only Mac and MinGW skip this test.

#8 - 08/11/2012 09:18 PM - luislavena (Luis Lavena)

usa (Usaku NAKAMURA) wrote:

On my Windows box, OpenSSL::Config::DEFAULT_CONFIG_FILE returns the right path.
So, this problem is not platform dependent but user's environment dependent.
Therefore, I can't agree r36666.

Test is incorrect, it should check if default file exist and skip if doesn't.

On windows if you change location openssl dlls it will cause an error, as explained in the github links I've included before.

So is not a problem of platform but a hardcoded path on openssl.

Usa, can you tell us if you moved OpenSSL dlls to different directories and verified OpenSSL::Config::DEFAULT_CONFIG_FILE?

#9 - 08/14/2012 10:36 AM - usa (Usaku NAKAMURA)

- Status changed from Feedback to Assigned

- Assignee changed from usa (Usaku NAKAMURA) to kosaki (Motohiro KOSAKI)

(1) "is not a problem of platform but a hardcoded path on openssl."
Yes, I think so, too.

(2) "if you moved OpenSSL dlls to different directories and verified OpenSSL::Config::DEFAULT_CONFIG_FILE?"
Of course, it fails.

So, should not skip by platform, but should determine whether to skip or not
to skip by another method, such as checking the existence of the config file,
as luis said.

#10 - 08/15/2012 01:23 PM - kosaki (Motohiro KOSAKI)

(1) "is not a problem of platform but a hardcoded path on openssl."
Yes, I think so, too.

(2) "if you moved OpenSSL dlls to different directories and verified OpenSSL::Config::DEFAULT_CONFIG_FILE?"
Of course, it fails.

So, should not skip by platform, but should determine whether to skip or not
to skip by another method, such as checking the existence of the config file,
as luis said.

This test confirm OpenSSL::Config::DEFAULT_CONFIG_FILE correctness. Therefore,
when we skip the test if OpenSSL::Config::DEFAULT_CONFIG_FILE is
incorrect, it doesn't
test any meaningful thing. I just suggest to remove the test instead
if we can't use platform
check.

#11 - 08/17/2012 09:42 PM - nobu (Nobuyoshi Nakada)

At least, the condition is not exact.
With MacPorts OpenSSL, the constant has a correct path.

#12 - 08/17/2012 09:42 PM - nobu (Nobuyoshi Nakada)

- % Done changed from 100 to 50

#13 - 08/18/2012 02:23 AM - kosaki (Motohiro KOSAKI)

On Fri, Aug 17, 2012 at 8:42 AM, nobu (Nobuyoshi Nakada)
nobu@ruby-lang.org wrote:

Issue [#6830](#) has been updated by nobu (Nobuyoshi Nakada).

At least, the condition is not exact.

With MacPorts OpenSSL, the constant has a correct path.

Is there any way to detect MacPorts? I have no idea.

#14 - 09/09/2012 03:45 PM - kosaki (Motohiro KOSAKI)

- *Status changed from Assigned to Feedback*

- *Assignee changed from kosaki (Motohiro KOSAKI) to nobu (Nobuyoshi Nakada)*

#15 - 10/13/2012 09:45 AM - nobu (Nobuyoshi Nakada)

Now tests it if the file exists.

#16 - 10/13/2012 09:46 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Feedback to Closed*

- *% Done changed from 50 to 100*