Ruby master - Bug #9592
Fix segfault with old OpenSSL
03/05/2014 03:13 AM - nobu (Nobuyoshi Nakada)

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee</td>
<td></td>
</tr>
<tr>
<td>Target version</td>
<td>2.2.0</td>
</tr>
<tr>
<td>ruby -v</td>
<td>r45270</td>
</tr>
<tr>
<td>Backport</td>
<td>1.9.3: DONE, 2.0.0: DONE, 2.1: DONE</td>
</tr>
</tbody>
</table>

**Description**

r44572 以降、古いOpenSSL(0.9.8kで確認)で、SSL connectionに失敗したときにSEGVすることがあります。

```
ruby -rnet/https -e 'Net::HTTP.get(URI("https://brandymelvilleusa.com"))'
```

/app/vendor/ruby-2.0.0/lib/ruby/2.0.0/net/http.rb:918: [BUG] Segmentation fault
ruby 2.0.0p451 (2014-02-24 revision 45167) [x86_64-linux]

r45271 修正したのでバックポートをお願いします。

**Related issues:**

- Has duplicate Ruby master - Bug #9839: Segment fault in http

**Associated revisions**

**Revision 0cc54369 - 03/30/2014 02:50 PM - nagachika (Tomoyuki Chikanaga)**
merge revision(s) r45271: [Backport #9592] [Backport #9670]

```
* ext/openssl/ssl.c (ssl_make_error): check NULL for unknown error reasons with old OpenSSL, and insert a colon iff formatted message is not empty.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@45472 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 45472 - 03/30/2014 02:50 PM - nagachika (Tomoyuki Chikanaga)**
merge revision(s) r45271: [Backport #9592] [Backport #9670]

```
* ext/openssl/ssl.c (ssl_make_error): check NULL for unknown error reasons with old OpenSSL, and insert a colon iff formatted message is not empty.
```

**Revision 49fed341 - 05/01/2014 03:23 PM - nagachika (Tomoyuki Chikanaga)**
merge revision(s) r45271: [Backport #9592] [Backport #9671]

```
* ext/openssl/ssl.c (ssl_make_error): check NULL for unknown error reasons with old OpenSSL, and insert a colon iff formatted message is not empty.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@45778 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 45778 - 05/01/2014 03:23 PM - nagachika (Tomoyuki Chikanaga)**
merge revision(s) r45271: [Backport #9592] [Backport #9671]

```
* ext/openssl/ssl.c (ssl_make_error): check NULL for unknown error reasons with old OpenSSL, and insert a colon iff formatted message is not empty.
```

**History**

#1 - 03/05/2014 03:14 AM - nobu (Nobuyoshi Nakada)
- Description updated

#2 - 03/11/2014 11:46 PM - nobu (Nobuyoshi Nakada)
#3 - 03/30/2014 02:50 PM - nagachika (Tomoyuki Chikanaga)
- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset ruby-200:r45472.

merge revision(s) r45271: [Backport #9592] [Backport #9670]

* ext.openssl/openssl.c (ossl_make_error): check NULL for unknown error reasons with old OpenSSL, and insert a colon iff formatted message is not empty.

#4 - 03/30/2014 02:53 PM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: REQUIRED to 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: REQUIRED

r45271 was backported to ruby_2_0_0 at r45472.

#5 - 03/31/2014 06:38 AM - usa (Usaku NAKAMURA)
- Related to Backport #9672: backport r45271 added

#6 - 03/31/2014 06:39 AM - usa (Usaku NAKAMURA)
- Backport changed from 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: REQUIRED to 1.9.3: DONE, 2.0.0: DONE, 2.1: REQUIRED

backported into ruby_1_9_3 at r45485. (see #9672)

#7 - 04/28/2014 07:53 PM - nathany (Nathan Youngman)
We saw this error in production with Ruby 2.1.1p76 on Heroku, but I don't know how to reproduce it. Is a backport to 2.1.1 planned? Or including the fix in 2.1.2?

Apr 22 08:03:01 app/worker.1: /app/vendor/ruby-2.1.1/lib/ruby/2.1.0/net/http.rb:920: [BUG] Segmentation fault at 0x0000000000000000
Apr 22 08:03:01 app/worker.1: ruby 2.1.1p76 (2014-02-24 revision 45161) [x86_64-linux]

#8 - 04/29/2014 02:25 AM - nobu (Nobuyoshi Nakada)
I suspect it occurs only with very old version OpenSSL, I can't reproduce it on other platforms at least.

It is planned to backport to 2.1, and the next 2.1 will be 2.1.2.

#9 - 04/29/2014 09:26 PM - nathany (Nathan Youngman)
Nobuyoshi Nakada wrote:

I suspect it occurs only with very old version OpenSSL, I can't reproduce it on other platforms at least.

Yes, Heroku is running OpenSSL 0.9.8k 25 Mar 2009 on their Cedar stack.
(heroku run openssl version)

It is planned to backport to 2.1, and the next 2.1 will be 2.1.2.

Thanks. Looking forward to 2.1.2.

#10 - 05/01/2014 03:24 PM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 1.9.3: DONE, 2.0.0: DONE, 2.1: REQUIRED to 1.9.3: DONE, 2.0.0: DONE, 2.1: DONE

r45271 was backported into ruby_2_1 branch at r45778.

#11 - 10/24/2016 07:27 AM - rhenium (Kazuki Yamaguchi)
- Has duplicate Bug #9839: Segment fault in http added