Ruby master - Bug #6001
Retry idempotent HTTP requests for more errors
02/11/2012 09:53 AM - drbrain (Eric Hodel)

Status: Closed
Priority: Normal
Assignee:
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-02-11 trunk 34547) [x86_64-darwin11.2.0]

Description
The net-http-persistent gem implements #5790 / #5813 but for more error types:


These additional error types should be rescued by net/http and retried.

Related issues:
- Related to Ruby master - Bug #5790: net/http の EOFError と Keep-Alive
  Closed 12/22/2011
- Related to Ruby master - Bug #5813: net/http's EOFError and Keep-Alive
  Closed 12/27/2011
- Related to Ruby master - Bug #5765: [PATCH] modernize Timeout usage in net{/h...
  Closed 12/15/2011

Associated revisions
Revision 8a7da58c - 02/28/2012 04:51 AM - drbrain (Eric Hodel)
  * lib/net/http.rb: Retry HTTP requests for additional network errors. Introduce OpenTimeout subclass of Timeout::Error. [Bug #6001]
  * test/net/http/test_http.rb: Reduce timeout to 0.01s for faster test

  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34842 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34842 - 02/28/2012 04:51 AM - drbrain (Eric Hodel)
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    * test/net/http/test_https.rb: ditto

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History
#1 - 02/11/2012 09:57 AM - drbrain (Eric Hodel)
  - File deleted (net.http.retry_errors.patch)

#2 - 02/11/2012 09:57 AM - drbrain (Eric Hodel)
  - File net.http.retry_errors.patch added

#3 - 02/13/2012 12:55 AM - naruse (Yui NARUSE)
  I agree the general direction to add more exceptions like ECONNABORTED. But I doubt Timeout::Error and should be added.

  A general principle is to rescue temporally errors.
  I don't think Errno::EINVAL, OpenSSL::SSL::SSLError are such errors.

  anyway, the patch includes Errno::ECONNRESET twice.

#4 - 02/24/2012 10:39 AM - drbrain (Eric Hodel)
  I think Timeout::Error is OK since Errno::ECONNRESET or Errno::ECONNABORTED may race with your timeout setting depending upon network behavior.

  OpenSSL::SSL::SSLError may be raised due to a temporary issue when reading or writing and it is not possible to distinguish between temporary and permanent SSLErrors, so I think retrying is OK.

  I agree that EINVAL should be removed.

#5 - 02/25/2012 05:04 AM - drbrain (Eric Hodel)
  - File net.http.retry_errors.2.patch added

    =begin
    Please check this improved patch.

    The new patch separates open and connect errors from response read/write errors.  This allows OpenSSL::SSL::SSLError to be rescued only when there is an error in the connection (from SSL_read or SSL_write) and not an error in the certificate verification or other permanent SSL issues.

    The new patch introduces Net::HTTP::OpenTimeout to separate a timeout for opening a connection from response read/write timeouts.

    The new patch ignores Errno::EINVAL to remove the duplicated Errno::ECONNRESET
    =end

#6 - 02/26/2012 06:15 AM - naruse (Yui NARUSE)

  * assert_raises(EOFError) {
  *   assert_raises(IOError) {

On my environment, EOFError and Errno::ECONNRESET may happen.

Others are ok.

#7 - 02/26/2012 06:57 AM - drbrain (Eric Hodel)

    =begin
    If I update to (((assert_raises(EOFError, IOError, Errno::ECONNRESET) [])) may I commit?
    =end

#8 - 02/26/2012 01:52 PM - naruse (Yui NARUSE)

Eric Hodel wrote:

  If I update to (((assert_raises(EOFError, IOError, Errno::ECONNRESET) [])) may I commit?
Yes, please

#9 - 02/28/2012 01:51 PM - drbrain (Eric Hodel)
- Status changed from Open to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r34842.
Eric, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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Files

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<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<tr>
<td>net.http.retry_errors.patch</td>
<td>661 Bytes</td>
<td>02/11/2012</td>
<td>drbrain (Eric Hodel)</td>
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<td>net.http.retry_errors.2.patch</td>
<td>3.66 KB</td>
<td>02/25/2012</td>
<td>drbrain (Eric Hodel)</td>
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