Hi,

I've noticed that Net::HTTP retries idempotent requests once after a time-out. It seems to adhere to the RFC 2616 ([http://tools.ietf.org/html/rfc2616](http://tools.ietf.org/html/rfc2616)), but it is not always the best thing to do.

When you don't know exactly how a remote web service works, it may be wise to retry after a time-out. But when you know that a retry won't change anything, it should be possible to disable this automatic retry. Otherwise, the server will have to deal with 2 requests (instead of 1) and the client will effectively time-out twice later than expected (time for the first and second time-out).

Having a basic "#retry=" (like we have "#read_timeout=" or "#open_timeout" would be good first step. The value could be a simple boolean, or even an integer for the maximum number of retries.

The "Retry" middleware in Faraday has a more comprehensive feature set with max retries, exponential back-off, ...: [https://github.com/lostisland/faraday/blob/master/lib/faraday/request/retry.rb](https://github.com/lostisland/faraday/blob/master/lib/faraday/request/retry.rb)

Associated revisions
Revision 4f4d7247 - 09/26/2017 02:00 PM - naruse (Yui NARUSE)
Make retries for Net::HTTP configurable [Feature #10674]
by stereobooster
fix [https://github.com/ruby/ruby/pull/1654](https://github.com/ruby/ruby/pull/1654)
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@60035 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 60035 - 09/26/2017 02:00 PM - naruse (Yui NARUSE)
Make retries for Net::HTTP configurable [Feature #10674]
by stereobooster
fix [https://github.com/ruby/ruby/pull/1654](https://github.com/ruby/ruby/pull/1654)

Revision 60035 - 09/26/2017 02:00 PM - naruse (Yui NARUSE)
Make retries for Net::HTTP configurable [Feature #10674]
by stereobooster
fix [https://github.com/ruby/ruby/pull/1654](https://github.com/ruby/ruby/pull/1654)

Revision 60035 - 09/26/2017 02:00 PM - naruse (Yui NARUSE)
Make retries for Net::HTTP configurable [Feature #10674]
by stereobooster
fix [https://github.com/ruby/ruby/pull/1654](https://github.com/ruby/ruby/pull/1654)

History
#1 - 11/20/2015 09:42 PM - shulmang (Garett Shulman)
I can confirm this exact behavior on 2.1.7

#2 - 05/14/2017 11:51 AM - cben (Beni Cherniavsky-Paskin)
Can confirm on 2.4.1.
The responsible code is here: [https://github.com/ruby/ruby/blob/v2_4_1/lib/net/http.rb#L1468](https://github.com/ruby/ruby/blob/v2_4_1/lib/net/http.rb#L1468)
I'm thinking of making a simple patch adding a boolean "#retry=". Application or higher-level gems can then implement any retry logic...
Make retries for Net::HTTP configurable [Feature #10674]

by stereobooster
fix https://github.com/ruby/ruby/pull/1654