

Ruby master - Feature #10674

Net::HTTP retries idempotent requests once after a timeout, but its not configurable

12/29/2014 03:10 PM - jlecour (Jérémy Lecour)

Status:	Closed
Priority:	Normal
Assignee:	naruse (Yui NARUSE)
Target version:	
Description	
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), 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	

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>

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)

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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

I'm thinking of making a simple patch adding a boolean "#retry=". Application or higher-level gems can then implement any retry logic...

#3 - 07/14/2017 08:51 AM - naruse (Yui NARUSE)

- Assignee changed from drbrain (Eric Hodel) to naruse (Yui NARUSE)

- Status changed from Open to Assigned

#4 - 09/26/2017 02:00 PM - naruse (Yui NARUSE)

- Status changed from Assigned to Closed

Applied in changeset [trunk|r60035](#).

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