

Ruby - Feature #3622

Net::HTTP does not wait to send request body with Expect: 100-continue

07/28/2010 03:08 PM - drbrain (Eric Hodel)

Status:	Closed	
Priority:	Normal	
Assignee:	nahi (Hiroshi Nakamura)	
Target version:	2.0.0	
Description =begin HTTP/1.1 allows a client to determine if the server will accept a request body using the Expect header with a value of 100-continue. If the server finds the request header the client sent acceptable it will return with a 100 Continue response and the client will then send the request body. Instead of waiting for a 100 Continue response Net::HTTP immediately sends the request body and ignores any 100 Continue responses. The current behavior defeats the purpose of the Expect: 100-continue value and the 100 Continue response code. If I am attempting to upload a large file like a photo and to a server that requires HTTP authentication I will have to wait until the upload is complete before I can retrieve a 401 response for incorrect authentication. I have attached a proposed patch that adds a continue timeout. Net::HTTP will wait up to the continue timeout before sending the request body. =end		

Associated revisions

Revision b219a56c - 05/31/2011 08:10 AM - Hiroshi Nakamura

- lib/net/http.rb, lib/net/protocol.rb: Allow to configure to wait server returning '100 continue' response before sending HTTP request body. See NEWS for more detail. See #3622. Original patch is made by Eric Hodel drbrain@segment7.net.
- test/net/http/test_http.rb: test it.
- NEWS: Add new feature.

On my env (Ubuntu 11.04 64bit),
9510 tests, 2203824 assertions, 0 failures, 0 errors, 29 skips
->
9514 tests, 2203836 assertions, 0 failures, 0 errors, 29 skips

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@31860 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 07/29/2010 05:17 AM - drbrain (Eric Hodel)

- File *net.http.continue.patch* added

=begin
Updated patch, fixes bug where Expect header is not provided.
=end

#2 - 07/29/2010 05:07 PM - usa (Usaku NAKAMURA)

=begin
(1) Are there any grounds in the value of 0.5 seconds of the time-out?
(2) Can you write a test for this change?

After the above-mentioned point can be confirmed, I do not oppose taking this patch.

=end

#3 - 07/30/2010 11:35 AM - naruse (Yui NARUSE)

=begin
I agree with this idea.
When usa's points are completed, you can commit it.
=end

#4 - 08/27/2010 01:54 PM - shyouhei (Shyouhei Urabe)

- *Status changed from Open to Feedback*

=begin
=end

#5 - 08/27/2010 05:20 PM - drbrain (Eric Hodel)

=begin
I don't see any reason to use 0.5 for the timeout. I think a timeout of 0 by default is acceptable to maintain compatible behavior.

I don't understand how to write a test for this that would go in test/net/http yet. I will try again.
=end

#6 - 09/08/2010 01:58 PM - nahi (Hiroshi Nakamura)

- *Status changed from Feedback to Open*
- *Assignee set to nahi (Hiroshi Nakamura)*

=begin
=end

#7 - 09/09/2010 05:24 PM - nahi (Hiroshi Nakamura)

- *File expect-continue.diff added*

=begin
Here's a modified version of the patch. [expect-continue.diff]
I'll write test case.

Eric: Would you please confirm that this patch works for you? Thanks in advance.
=end

#8 - 09/10/2010 07:40 PM - nahi (Hiroshi Nakamura)

- *File expect-continue.diff added*

=begin
Patch updated with tests. Tests requires current trunk HEAD.
Eric, please try this patch.

RDoc expected. Anyone?
=end

#9 - 09/11/2010 05:26 AM - drbrain (Eric Hodel)

- *File expect-continue.3.diff added*

=begin
With your latest patch if you do not set the continue_timeout after the server is started it does not wait for "100 Continue".

h = Net::HTTP.new host, port
h.continue_timeout = 10 # does nothing

With your latest patch Net::HTTP does not send the HTTP header immediately, it waits for the continue timeout first.

Placing wait_for_continue after sending headers fixes this.

Does Net::HTTP require additional RDoc? I think the current comments for the new methods are ok.
=end

#10 - 09/14/2010 03:56 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

=begin

=end

#11 - 12/26/2010 03:10 PM - naruse (Yui NARUSE)

=begin

What's going on?

=end

#12 - 05/30/2011 11:20 AM - nahi (Hiroshi Nakamura)

- Due date set to 05/31/2011

#13 - 05/30/2011 03:37 PM - nahi (Hiroshi Nakamura)

Merged the update from Eric Hodel. Thanks Eric, and I'm sorry for posting the patch which does not include full changes. Can't remember why I thought the tests I added run correctly...

I'll commit this.

<https://github.com/na hi/ruby/compare/4e4649e13cd4175aab75...0fa41a6f7b86c17b0225>

#14 - 06/11/2011 06:55 PM - nahi (Hiroshi Nakamura)

- Status changed from Assigned to Closed

I close this since I believe r31860 includes the original intent of the patch from Eric. Please reopen this if it doesn't work.

Files

net.http.continue.patch	3.39 KB	07/28/2010	drbrain (Eric Hodel)
net.http.continue.patch	3.42 KB	07/29/2010	drbrain (Eric Hodel)
expect-continue.diff	3.35 KB	09/09/2010	na hi (Hiroshi Nakamura)
expect-continue.diff	5.88 KB	09/10/2010	na hi (Hiroshi Nakamura)
expect-continue.3.diff	6.28 KB	09/11/2010	drbrain (Eric Hodel)