hi xibbar,

I try to understand why the MAX_MULTIPART_LENGTH is a Constant and i can't change it. If i upload a MultiPart file which is larger than 128 MB raise an error "too large multipart data.", but why i can't change this value to upload larger files.

The Constant comes with this Change:
https://github.com/ruby/ruby/commit/10e9b638069d9e40233242693814b86c672e423e#lib/cgi/core.rb

The only sense i see, is that the Author of cgialt uses max 128MB files und build in this Constant ...

I would like to know why this constant is in place and how to change it's behaviour. My requirement is to upload files larger than the given limit of 128MB.

regards,
Andreas

Associated revisions

Revision 5c99f241 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
  [Feature #8370] patch by Leif Eriksen leif.eriksen.au@gmail.com

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@46392 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
  [Feature #8370] patch by Leif Eriksen leif.eriksen.au@gmail.com

Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
  [Feature #8370] patch by Leif Eriksen leif.eriksen.au@gmail.com

Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
  [Feature #8370] patch by Leif Eriksen leif.eriksen.au@gmail.com

Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.

Revision 46392 - 06/10/2014 04:29 AM - xibbar (Takeyuki FUJIOKA)

- lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.

History

#1 - 05/05/2013 09:12 PM - xibbar (Takeyuki FUJIOKA)
- Description updated

#2 - 05/05/2013 10:32 PM - nobu (Nobuyoshi Nakada)
- Description updated

#3 - 01/30/2014 06:16 AM - hsbt (Hiroshi SHIBATA)
- Target version changed from 2.1.0 to 2.2.0

#4 - 06/07/2014 03:45 AM - leriksen (Leif Eriksen)
From my reading of RFC-1867, this constant/constraint is not required.

If a server detects space constraints for an upload, it can terminate the connection at any time.

Servers can indicate a maximum length via the MAXLENGTH attribute, but clients are not required to limit themselves to it.

Clients are generally required to supply an overall content-length for the upload - servers can act on that at the commencement of transmission, or terminate at a later time according to whatever policy has been set up.

There is no reason, that I can see, to artificially limit the upload size on the client side, the server can accept or reject at any time.

I will raise a git pull request from my commit https://github.com/leriksen/ruby/commit/77f3a6bbb92e3f395851e7f998556a7df160f4da1

#5 - 06/07/2014 04:35 AM - mame (Yusuke Endoh)

There is no reason, that I can see, to artificially limit the upload size on the client side

I think that MAX_MULTIPART_LENGTH is the limit on the server side. The limit itself is actually required to prevent shortage of server resource.

I agree that the limit should be configurable by users. In fact, the author of cgialt, Makoto Kuwata, said in the proposal,
http://blade.nagaokaut.ac.jp/cgi-bin/socat.rb/ruby/ruby-dev/33606

簡単化のため制限値は定数で指定してますが、必要であればクラス変数やインスタンス変数で指定できるようにしてください。

For simplicity, the limit is specified by a constant, but if needed, please use class variable or instance variable to specify it.

So, what we need is not a patch that just removes the check, but a patch that enables a user to configure it.

--
Yusuke Endoh mame@ruby-lang.org
OK, yeah I got the wrong end of the conversation - CGI is all about the server side.....

A new option in the options_hash in the constructor - currently only :tag_maker and :accept_charset are defined

The multipart handling is in the private method initialize_query(), which is only referenced in the constructor. So the only opportunity to set this up is from CGI.new.

I propose a new option in the initialize method - :max_multipart_length

It will default to the old value of 128 *1024 *1024 bytes, and can take as a value either a simple integer scalar, or a lambda. A lambda will allow the user to use more complex logic than a simple integer to determine the size of multipart forms to accept.

Would that work ?
lib/cgi/core.rb: Provide a mechanism to specify the max_multipart_length of multipart data.
[Feature #8370] patch by Leif Eriksen leif.eriksen.au@gmail.com