

## Ruby master - Bug #14664

### After upgrade to 2.4.4: header field value cannot include CR/LF

04/04/2018 08:22 AM - davidhrbac (David Hrbáč)

<b>Status:</b>	Rejected		
<b>Priority:</b>	Normal		
<b>Assignee:</b>			
<b>Target version:</b>			
<b>ruby -v:</b>	ruby 2.4.4p296 (2018-03-28 revision 63013) [x86_64-linux]	<b>Backport:</b>	2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

#### Description

We are experiencing this issue after upgrading from ruby 2.4.3p205 (2017-12-14 revision 61247) [x86\_64-linux] to ruby 2.4.4p296 (2018-03-28 revision 63013) [x86\_64-linux]. Reverting back to 2.4.3 the code works.

```
header field value cannot include CR/LF
```

```
/home/anselm-dashboard/.rvm/rubies/ruby-2.4.4/lib/ruby/2.4.0/net/http/header.rb:23:in `block in initialize_http_header'
```

```
/home/anselm-dashboard/.rvm/rubies/ruby-2.4.4/lib/ruby/2.4.0/net/http/header.rb:16:in `each'
```

```
/home/anselm-dashboard/.rvm/rubies/ruby-2.4.4/lib/ruby/2.4.0/net/http/header.rb:16:in `initialize_http_header'
```

```
/home/anselm-dashboard/.rvm/rubies/ruby-2.4.4/lib/ruby/2.4.0/net/http/generic_request.rb:44:in `initialize'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:62:in `new'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:62:in `create_request'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:82:in `perform_request'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:40:in `block in call'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:87:in `with_net_http_connection'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/adapter/net_http.rb:32:in `call'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/faraday-0.9.2/lib/faraday/response.rb:8:in `call'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client/request.rb:163:in `send'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client.rb:648:in `block (2 levels) in execute!'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/retriable-1.4.1/lib/retriable/retry.rb:27:in `perform'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/retriable-1.4.1/lib/retriable.rb:15:in `retriable'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client.rb:645:in `block in execute!'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/retriable-1.4.1/lib/retriable/retry.rb:27:in `perform'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/retriable-1.4.1/lib/retriable.rb:15:in `retriable'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client.rb:636:in `execute!'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client.rb:368:in `discovery_document'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google-api-client-0.8.6/lib/google/api_client.rb:413:in `discovered_api'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google_drive-1.0.6/lib/google_drive/api_client_fetcher.rb:36:in `initialize'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google_drive-1.0.6/lib/google_drive/session.rb:78:in `new'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google_drive-1.0.6/lib/google_drive/session.rb:78:in `initialize'
```

```
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google_drive-1.0.6/lib/google_drive.rb:77:in `new'
```

```

/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/google_drive-1.0.6/lib/google_drive.rb:77:in `log
in_with_oauth'
/opt/anselm-dashboard/jobs/google_spreadsheet.rb:60:in `block in <top (required)>'
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/rufus-scheduler-2.0.24/lib/rufus/sc/jobs.rb:230:i
n `trigger_block'
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/rufus-scheduler-2.0.24/lib/rufus/sc/jobs.rb:204:i
n `block in trigger'
/home/anselm-dashboard/.rvm/gems/ruby-2.4.4/gems/rufus-scheduler-2.0.24/lib/rufus/sc/scheduler.rb:
430:in `block in trigger_job'

 1 require 'google/api_client'
 2 require 'google/api_client/client_secrets'
 3 require 'google/api_client/auth/file_storage'
 4 require 'google/api_client/auth/installed_app'
 5 require 'google_drive'
 6
 7 CELLS_ROW_NUMBER = 3
 8 CELLS_COLUMN_NUMBER = 3
 9
10 SUPERVISORS = {
29 }
30
31 SUPERVISORS.default = 'N/A'
32
33 def authorize
34   client = Google::APIClient.new(
35     :application_name => 'Get Value from Google SpreadSheet for Dashing',
36     :application_version => '1.0.0')
37
38   file_storage = Google::APIClient::FileStorage.new('credential-oauth2.json')
39   if file_storage.authorization.nil?
40     flow = Google::APIClient::InstalledAppFlow.new(
41       :client_id => ENV['GOOGLE_DRIVE_CLIENT_ID'],
42       :client_secret => ENV['GOOGLE_DRIVE_CLIENT_SECRET'],
43       :scope => %w(
44         https://www.googleapis.com/auth/drive
45         https://docs.google.com/feeds/
46         https://docs.googleusercontent.com/
47         https://spreadsheets.google.com/feeds/
48       ),
49     )
50     client.authorization = flow.authorize(file_storage)
51   else
52     client.authorization = file_storage.authorization
53   end
54
55   client
56 end
57
58 SCHEDULER.every '10m', :first_in => 0 do |job|
59   client = authorize
60   session = GoogleDrive.login_with_oauth(client.authorization.access_token)
61   people=[]
62   for day in -1..1 do
79   end
80 end

```

## History

#1 - 04/04/2018 08:58 AM - naruse (Yui NARUSE)

- Status changed from Open to Rejected

It's from r61359 because HTTP doesn't allow CRLF in their header value.

I think your application was silently broken from before.

**#2 - 04/04/2018 09:13 AM - Tietew (Toru Iwase)**

Upgrade google-api-client gem to 0.20.0.

cf. <https://github.com/google/google-api-ruby-client/pull/648>

**#3 - 04/05/2018 09:22 PM - normalperson (Eric Wong)**

[naruse@airemix.jp](mailto:naruse@airemix.jp) wrote:

It's from r61359 because HTTP doesn't allow CRLF in their header value.  
I think your application was silently broken from before.

CRLF followed by leading-whitespace (LWS) should be allowed

```
"Host:\r\n\texample.com\r\n"
```

```
"Host:\r\n example.com\r\n"
```

I think it's necessary for some base64-encoded proxy certificates embedded in headers

<https://bugs.ruby-lang.org/issues/14664#change-71384>