

Redmine - Defect #24646

X-Sendfile is missing in response headers

2016-12-19 09:51 - Karel Pičman

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Attachments	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.2.5		
<b>Resolution:</b>	Fixed	<b>Affected version:</b>	3.3.1
<b>Description</b>			
Despite uncommenting X-Sendfile option in <code>config/additional_environment.rb</code> , X-Sendfile header is not added into the response. Therefore the download is not handed over to the webserver and it is processed by the application. It prevents from downloading of large files.			
<code>config/additional_environment.rb</code>			
# Specifies the header that your server uses for sending files config.action_dispatch.x_sendfile_header = "X-Sendfile"			
Response header when downloading a file from the <i>Files</i> module:			
<b>Cache-Control</b> private <b>Connection</b> Keep-Alive <b>Content-Disposition</b> attachment; filename="file.zip" <b>Content-Length</b> 25362 <b>Content-Type</b> application/x-zip-compressed <b>Date</b> Mon, 19 Dec 2016 08:33:42 GMT <b>Etag</b> "c4c34e17fd91b5e7f97ea03a1e4366f6" <b>Server</b> WEBrick/1.3.1 (Ruby/2.3.1/2016-04-26) <b>Set-Cookie</b> _redmine_session=SzJycUd0VUYybGNkU2NVWGVHN1VQOVhJVUY1dTJCRjNOS05HU2xaSzY1aWYwOHp3am1SUURiWEdjNCtZOE44T2I0UkV3eHNWSWwwwZDJ0MHBUMmhjck5Vd3ZNVHZla1RNTXBTWQ3bnQva2p4OXk1KzUxcFgzWmVmU0dIYWg2dXFteigJRXPXYWpyQXJ1ckY2TIQ0WEtkb1dPclprSIJ5Ni9pejN0a0FXMkUrVfFdTUUVFUEDBIMW9DNGJuN0k5Y3dPM1FlekcxUDByZlQ4emg1TmJyVUdkdC84REwyU1pVNGtIZnkzTVJ4T1dDdnVIYTFPMWJBWFnZeU5DRIRSUK3QytUc3dFbWRaMXdhUjZmK0FvcGIENklCV3YzTDhSbWt4YWVs5UEJLdW9wczlFMy9yc3BIY3krakV1ZjlSeUdNN29Gd2tENnk3Vk5VOFISMERkdVdxNVpjdG1xQ3RTQINTYW Rnb1QvVmVzZy9NPS0tVGFOZGhaWUZVdEdRMUJrSjMwU05pQT09--150df285ffe701a4ef1e1bad01398101dcb4989c; path=/; HttpOnly <b>X-Content-Type-Options</b> nosniff <b>X-Frame-Options</b> SAMEORIGIN <b>X-Request-Id</b> 8743fb81-42d3-4924-b93f-199b95e68ed1 <b>X-Runtime</b> 0.030291 <b>X-XSS-Protection</b> 1; mode=block <b>content-transfer-encoding</b> binary			
My environment:			
Environment:			
Redmine version		3.3.1.stable	
Ruby version		2.3.1-p112 (2016-04-26) [x86_64-linux-gnu]	
Rails version		4.2.7.1	
Environment		production	
Database adapter		Mysql2	
<b>Related issues:</b>			
Related to Redmine - Defect #32785: X-Sendfile header field is not set if rac...		Closed	

**Associated revisions**

Revision 16114 - 2016-12-31 13:45 - Jean-Philippe Lang

Fixed that X-Sendfile header is never set (#24646).

**Revision 16130 - 2017-01-04 20:52 - Jean-Philippe Lang**

Merged r16114 (#24646).

**Revision 16131 - 2017-01-04 20:52 - Jean-Philippe Lang**

Merged r16114 (#24646).

## History

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### #1 - 2016-12-20 15:50 - Karel Pičman

During a next investigation I've found that the problem is that the body doesn't respond to **to\_path** method:

Rack::Sendfile

```
class Sendfile
  F = ::File
  ...

  def call(env)
    status, headers, body = @app.call(env)
    if body.respond_to?(:to_path) # Here is the problem
      case type = variation(env)
      when 'X-Accel-Redirect'
        ...
      end
    end
  end
end
```

While in a working application the body is an instance of ActionDispatch::Response::RackBody which have as a member ActionDispatch::Response response, in Redmine I see there an array which doesn't respond to to\_path method.

Unfortunately I've no clue what could be the reason.

### #2 - 2016-12-21 09:43 - Jean-Philippe Lang

- Status changed from New to Confirmed

### #3 - 2016-12-31 13:46 - Jean-Philippe Lang

- Status changed from Confirmed to Resolved

- Assignee set to Jean-Philippe Lang

- Target version set to 3.3.2

- Resolution set to Fixed

The problem was caused by Rack::ContentLength. This should be fixed by [r16114](#). Thanks for pointing this out.

### #4 - 2016-12-31 13:47 - Jean-Philippe Lang

- Target version changed from 3.3.2 to 3.2.5

### #5 - 2017-01-02 11:48 - Karel Pičman

I confirm that after applying your patch, everything works as expected. Thank you very much.

### #6 - 2017-01-04 09:53 - Go MAEDA

- Category changed from Files to Attachments

### #7 - 2017-01-04 20:53 - Jean-Philippe Lang

- Status changed from Resolved to Closed

Thanks for the feedback.

### #8 - 2020-01-12 04:44 - Go MAEDA

- Related to Defect #32785: X-Sendfile header field is not set if rack 2.1.0 is installed added