

Redmine - Defect #24646

X-Sendfile is missing in response headers

2016-12-19 09:51 - Karel Pičman

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Jean-Philippe Lang	% Done:	0%
Category:	Attachments	Estimated time:	0.00 hour
Target version:	3.2.5	Affected version:	3.3.1
Resolution:	Fixed		

Description

Despite uncommenting X-Sendfile option in `config/additional_environment.rb`, 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.

`config/additional_environment.rb`

```
# 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 `Files` module:

Cache-Control private

Connection Keep-Alive

Content-Disposition attachment; filename="file.zip"

Content-Length 25362

Content-Type application/x-zip-compressed

Date Mon, 19 Dec 2016 08:33:42 GMT

Etag "c4c34e17fd91b5e7f97ea03a1e4366f6"

Server WEBrick/1.3.1 (Ruby/2.3.1/2016-04-26)

Set-Cookie

_redmine_session=SzJycUd0VUYybGNkU2NVWGVHn1VQOVhJVUY1dTJCRjNOS05HU2xaSzY1aWYwOHp3am1SUURiWEdjNCtZ
OE44T2I0UkV3eHNWSWwwZDJ0MHBUMmhjck5Vd3ZNVHZla1RNTXBTTWQ3bnQva2p4OXk1KzUxcFgzWmVmU0dlyWg2dXFtei9RXpXY
RXpXYWpyQXJ1ckY2TIQ0WEtkb1dPclprSIJ5Ni9pejN0a0FXMkUrvFdTUUVFUEDBIMW9DNGJuN0k5Y3dPM1FlkcxUDByZlQ4emg1TmJyVU
mJyVUdKdC84REwyU1pVNGtIzNkzTVJ4T1dDdnVIYTFPMWJBWFnZeU5DRIRSUkE3QytUc3dFbWRaMXdhUjZmK0FvcGIENkICV3YzTDhS
zTDhSbWt4YWw5UEJLdW9wczlFMy9yc3BIY3krakV1ZjlSeUdNN29Gd2tENnk3Vk5VOFISMERkdVdxNVpjdG1xQ3RTQINTYWRnb1QvVmVzZ
vVmVzZy9NPS0tVGFOZGhaWUZVdEdRMUJrSjMwU05pQT09--150df285ffe701a4ef1e1bad01398101dcb4989c; path=/; HttpOnly

X-Content-Type-Options nosniff

X-Frame-Options SAMEORIGIN

X-Request-Id 8743fb81-42d3-4924-b93f-199b95e68ed1

X-Runtime 0.030291

X-XSS-Protection 1; mode=block

content-transfer-encoding 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

Related issues:

Related to Redmine - Defect # 32785: X-Sendfile header field is not set if ra...

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

#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'
```

```
      ...
```

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*