

Synnefo - Bug # 1069

Status:	Feedback	Priority:	Medium
Author:	Antony Chazapis	Category:	Pithos
Created:	09/08/2011	Assignee:	
Updated:	06/02/2014	Due date:	
Subject:	No Content-Length in empty HEAD responses		
Description	<p>Apache seems to cut the Content-Length header from empty HEAD replies. When the reply has Content-Length > 0, it is kept.</p> <p>This affects 'application/directory' objects for example.</p>		

Associated revisions

Revision aa62890f - 10/18/2011 03:21 pm - Antony Chazapis

Document gunicorn deployment.

Refs #1067

Refs #1069

Refs #1073

Revision aa62890f - 10/18/2011 03:21 pm - Antony Chazapis

Document gunicorn deployment.

Refs #1067

Refs #1069

Refs #1073

History

#1 - 09/16/2011 01:22 pm - Antony Chazapis

- Target version deleted (0.7 (alpha))

#2 - 10/18/2011 04:27 pm - Antony Chazapis

This is an apache issue and persists when moving from mod_wsgi to gunicorn.

#3 - 11/09/2011 09:32 am - Antony Chazapis

This has been traced to 'modules/http/http_filters.c', line 1272, as part of the ap_http_header_filter() function. I have not tested this, but the code states:

```
/* This is a hack, but I can't find anyway around it. The idea is that
 * we don't want to send out 0 Content-Lengths if it is a head request.
 * This happens when modules try to outsmart the server, and return
 * if they see a HEAD request. Apache 1.3 handlers were supposed to
 * just return in that situation, and the core handled the HEAD. In
```

```

* 2.0, if a handler returns, then the core sends an EOS bucket down
* the filter stack, and the content-length filter computes a C-L of
* zero and that gets put in the headers, and we end up sending a
* zero C-L to the client. We can't just remove the C-L filter,
* because well behaved 2.0 handlers will send their data down the stack,
* and we will compute a real C-L for the head request. RBB
*/
if (r->header_only
    && (clheader = apr_table_get(r->headers_out, "Content-Length"))
    && !strcmp(clheader, "0")) {
    apr_table_unset(r->headers_out, "Content-Length");
}

```

Seems that even if we comment out this part, it will break apache somewhere else.

#4 - 11/09/2011 09:34 am - Antony Chazapis

This has been traced to 'modules/http/http_filters.c', line 1272, as part of the ap_http_header_filter() function. I have not tested this, but the code states:

```

/* This is a hack, but I can't find anyway around it. The idea is that
* we don't want to send out 0 Content-Lengths if it is a head request.
* This happens when modules try to outsmart the server, and return
* if they see a HEAD request. Apache 1.3 handlers were supposed to
* just return in that situation, and the core handled the HEAD. In
* 2.0, if a handler returns, then the core sends an EOS bucket down
* the filter stack, and the content-length filter computes a C-L of
* zero and that gets put in the headers, and we end up sending a
* zero C-L to the client. We can't just remove the C-L filter,
* because well behaved 2.0 handlers will send their data down the stack,
* and we will compute a real C-L for the head request. RBB
*/
if (r->header_only
    && (clheader = apr_table_get(r->headers_out, "Content-Length"))
    && !strcmp(clheader, "0")) {
    apr_table_unset(r->headers_out, "Content-Length");
}

```

Is just removing these lines a solution?

#5 - 04/13/2012 09:38 am - Antony Chazapis

- Status changed from New to Feedback
- Target version set to 1.0.0

#6 - 02/08/2013 06:50 pm - Vangelis Koukis

- Project changed from Pithos to Synnefo
- Target version deleted (1.0.0)

#7 - 02/08/2013 06:52 pm - Vangelis Koukis

- Category set to Pithos

#8 - 06/02/2014 11:32 am - Kostis Fardelas

- Assignee set to *Kostis Fardelas*

#9 - 06/02/2014 11:32 am - Kostis Fardelas

- Assignee deleted (*Kostis Fardelas*)