

rgw - Bug #12780

rgw: segments are read during HEAD on Swift DLO

08/25/2015 01:19 PM - Radoslaw Zarzynski

Status:	Resolved	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:	Radoslaw Zarzynski		
Category:			
Target version:			
Source:	Development	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	hammer	Pull request ID:	
Regression:	No	Crash signature (v1):	
Severity:	3 - minor	Crash signature (v2):	
Reviewed:			

Description

```
$ curl -i "$publicURL/Disc Images2/HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO" -X HEAD -H "X-Auth-Token: $token"
```

```
HTTP/1.1 200
Server: nginx/1.4.6 (Ubuntu)
Date: Tue, 25 Aug 2015 13:00:48 GMT
Content-Length: 16
Connection: keep-alive
Accept-Ranges: bytes
Last-Modified: Tue, 25 Aug 2015 11:36:15 GMT
etag: 822ddd31952e982f01217843b35e4378
X-Object-Manifest: Disc Images2_segments/HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/
```

In radosgw's output we may see:

```
2015-08-25 15:00:48.913861 7f7f4cf81700 1 ===== starting new request req=0x7f7f9c00f6a0 =====
...
2015-08-25 15:00:48.967230 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000000 ofs=0 end=2
...
2015-08-25 15:00:48.969922 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000001 ofs=0 end=2
...
2015-08-25 15:00:48.972282 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000002 ofs=0 end=2
...
2015-08-25 15:00:48.975095 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000003 ofs=0 end=2
...
2015-08-25 15:00:48.978044 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000004 ofs=0 end=2
...
2015-08-25 15:00:48.981279 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000005 ofs=0 end=2
...
2015-08-25 15:00:48.984271 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000006 ofs=0 end=2
...
2015-08-25 15:00:48.990906 7f7f4cf81700 20 reading obj=Disc Images2_segments:HP Pavilion dv7-6c95dx Recovery Disc (1 of 3).ISO/1439995506.197590/16/2/00000007 ofs=0 end=2
```

...
2015-08-25 15:00:48.994803 7f7f4cf81700 2 req 1:0.080942:swift:HEAD /swift/v1/Disc Images2/HP Pavilion dv7-6c95dx
Recovery Disc (1 of 3).ISO:get_obj:http status=200
2015-08-25 15:00:48.994859 7f7f4cf81700 1 ===== req done req=0x7f7f9c00f6a0 http_status=200 =====

Reading all DLO's segments isn't necessary to calculate *Content-Length*. Total size is known much earlier:
https://github.com/ceph/ceph/blob/master/src/rgw/rgw_op.cc#L851.

Related issues:

Copied to rgw - Backport #13228: rgw: segments are read during HEAD on Swift DLO	Resolved	08/25/2015
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Associated revisions**Revision 4a8b08d1 - 09/18/2015 04:56 PM - Yehuda Sadeh**

rgw: don't read actual data on user manifest HEAD

Fixes: #12780

We unconditionally read all the data, which is not needed when doing HEAD operation on user manifest objects.

Signed-off-by: Yehuda Sadeh <yehuda@redhat.com>

Signed-off-by: Radoslaw Zarzynski <rzarzynski@mirantis.com>

Revision 9ab9c445 - 10/02/2015 02:25 PM - Yehuda Sadeh

rgw: don't read actual data on user manifest HEAD

Fixes: #12780

We unconditionally read all the data, which is not needed when doing HEAD operation on user manifest objects.

Signed-off-by: Yehuda Sadeh <yehuda@redhat.com>

Signed-off-by: Radoslaw Zarzynski <rzarzynski@mirantis.com>
(cherry picked from commit 4a8b08d1dd2511e28e999f1625103fb919fb5465)

History**#1 - 08/26/2015 06:54 PM - Yehuda Sadeh**

- Assignee set to Radoslaw Zarzynski

#2 - 09/21/2015 03:23 PM - Yehuda Sadeh

- Status changed from New to Pending Backport

- Backport set to hammer

#3 - 10/02/2015 02:23 PM - Loïc Dachary

<https://github.com/ceph/ceph/pull/5996>

#4 - 10/12/2015 07:27 PM - Loïc Dachary

- Status changed from Pending Backport to Resolved

