

rgw - Bug #21000

rgw: s3 v4 auth fails during chunked file uploads when object size = 0

08/15/2017 04:07 AM - Marcus Watts

Status:	New	Start date:	08/15/2017
Priority:	Normal	Due date:	
Assignee:	Marcus Watts	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:		Reviewed:	
Tags:		Affected Versions:	
Backport:		ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		
Description			
Chunked file transfers of object size 0 fail. Chunked file transfers of larger objects work fine.			
In the logs (with a suitable rgw debug level), this message appears when signature verification happens, NOTICE: call to do_aws4_auth_completion On successful verifications, this message appears just before, parsed new chunk; signature=0b32543586406d29be2 a36c61ca83bb13559f0526d0181e0aedb444ceb6dc4ca, data_length=2048, data_starts_in_stream=86 (numbers may vary). On the failing transfers, this message does not appear.			
This is possibly only an aws4 issue. It definitely breaks many hadoop tests.			

History

#1 - 08/15/2017 07:45 PM - Marcus Watts

- Assignee set to Marcus Watts

#2 - 08/15/2017 07:46 PM - Marcus Watts

I have a possible fix for this, but it's failing on "16 byte" objects - which I think is a different problem also reported in <http://tracker.ceph.com/issues/21003>

#3 - 08/16/2017 02:25 AM - Marcus Watts

I have a possible fix for this problem in:

<https://github.com/ceph/ceph/pull/17040>

This also contains a fix for small sized chunks, and a "space/plus" fix.