

rgw - Bug #11241

Incorrect ETAG calculated for POST uploads

03/26/2015 09:21 AM - Marcin Gibula

Status:	Resolved	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:	Radoslaw Zarzynski		
Category:			
Target version:			
Source:	other	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	hammer	Pull request ID:	
Regression:	No	Crash signature (v1):	
Severity:	3 - minor	Crash signature (v2):	
Reviewed:			
Description			
When uploading file via POST method, with multipart/form-data encoding, incorrect ETag is calculated for any file that is not aligned to 512KB.			
Test results:			
FILE UPLOADED/SIZE => CALCULATED ETAG => EXPECTED ETAG => comparison value			

testupload/1k => d41d8cd98f00b204e9800998ecf8427e = 0f343b0931126a20f133d67c2b018a3b => false			
testupload/2k => d41d8cd98f00b204e9800998ecf8427e = c99a74c555371a433d121f551d6c6398 => false			
testupload/128k => d41d8cd98f00b204e9800998ecf8427e = 0dfbe8aa4c20b52e1b8bf3cb6cbdf193 => false			
testupload/511k => d41d8cd98f00b204e9800998ecf8427e = eb779e3f74b7b686b3d256004414eab2 => false			
testupload/512k => 59071590099d21dd439896592338bf95 = 59071590099d21dd439896592338bf95 => true			
testupload/513k => 59071590099d21dd439896592338bf95 = 0df2a0d3ec7e4dc1b64babdb3ec50a2b => false			
testupload/1000k => 59071590099d21dd439896592338bf95 = 80ec129d645c70cf0de45b1a5a682235 => false			
testupload/1023k => 59071590099d21dd439896592338bf95 = c96b9b9ca1a5f231115d7dc6d2490331 => false			
testupload/1024k => b6d81b360a5672d80c27430f39153e2c = b6d81b360a5672d80c27430f39153e2c => true			
testupload/1025k => b6d81b360a5672d80c27430f39153e2c = 3d283316360c56857e7c212cfecbbd83 => false			
The problem does not exist when using PUT method. Test script attached. Tested with latest firefly and giant releases.			
Related issues:			
Copied to rgw - Backport #14570: hammer: Incorrect ETAG calculated for POST u...		Resolved	

Associated revisions

Revision 742906ab - 09/22/2015 09:48 AM - Radoslaw Zarzynski

rgw: fix wrong etag calculation during POST on S3 bucket.

Fixes: #11241

Backport: infernalis, hammer, firefly

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

Revision 5b9c3261 - 10/09/2015 08:34 PM - Radoslaw Zarzynski

rgw: fix wrong etag calculation during POST on S3 bucket.

Fixes: #11241

Backport: infernalis, hammer, firefly

Signed-off-by: Radoslaw Zarzynski <rzarzynski@mirantis.com>
(cherry picked from commit 742906ab5ee644d5932570bf95342697b673a498)

History

#1 - 04/07/2015 04:16 PM - Radoslaw Zarzynski

Hi Marcin!

According to our talk `RGWPostObj::execute()` method in `src/rgw/rgw_op.cc` looks like a good place to start the analysis. You also might need to check the `RGWPostObj_ObjStore_S3` class in `src/rgw/rgw_rest_s3.cc`.

Regards,
Radek

#2 - 09/22/2015 12:14 PM - Radoslaw Zarzynski

- Status changed from *New* to *In Progress*
- Regression set to *No*

#3 - 09/22/2015 12:14 PM - Radoslaw Zarzynski

- Assignee set to *Radoslaw Zarzynski*

#4 - 09/22/2015 12:15 PM - Radoslaw Zarzynski

- Status changed from *In Progress* to *Fix Under Review*

Pull request: <https://github.com/ceph/ceph/pull/6030>.

#5 - 11/03/2015 07:34 PM - Yehuda Sadeh

- Status changed from *Fix Under Review* to *Resolved*

Merged in commit:4b07f9333537f3a77a9f4218a3c829197dd48230

#6 - 01/29/2016 09:24 PM - Nathan Cutler

- Status changed from *Resolved* to *Pending Backport*
- Backport set to *hammer*

#7 - 01/29/2016 09:25 PM - Nathan Cutler

- Copied to Backport #14570: *hammer: Incorrect ETAG calculated for POST uploads added*

#8 - 02/08/2016 11:02 AM - Nathan Cutler

- Status changed from *Pending Backport* to *Resolved*

Files

test-case.php

2.9 KB

03/26/2015

Marcin Gibula