rgw - Bug #11639

Object copy bug

05/15/2015 12:14 PM - Javier M. Mellid

Status:	Resolved		**Start date:**	05/15/2015
Priority:	Normal		**Due date:**	
Assignee:	Javier M. Mellid		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour
Source:	other		**Reviewed:**	
Tags:			**Affected Versions:**	
Backport:	hammer, firefly		**ceph-qa-suite:**	
Regression:	No		**Pull request ID:**	
Severity:	3 - minor		**Crash signature:**	

Description

In a situation with 2 users A & B. There is a object copy bug when user B tries to copy one object created by A with FULL_CONTROL to user B.

With this bug report I am uploading one python script reproducing the bug (it uses boto)

The behaviour in aws' s3 and radosgw is different too.

In aws's s3 it dumps the following:

```
$ ./s3copyobject.py
Creating 'aws1-99999-transfer-bug-bucket
Press <Enter> to continue with copy object...
Copying object
Press <Enter> to continue with print results...
Content as per aws1
<Policy: aws1 (owner) = FULL_CONTROL, aws2 = FULL_CONTROL>
'aws1-99999-test-file' by 'aws1' ['meta1': 'None', 'meta2': 'None']
'aws1-99999-test-file' => <Policy: aws1 (owner) = FULL_CONTROL, aws2 = FULL_CONTROL>
Error reading aws1-99999-test-file-02
Content as per aws2
<Policy: aws1 (owner) = FULL_CONTROL, aws2 = FULL_CONTROL>
'aws1-99999-test-file' by 'aws1' ['meta1': 'None', 'meta2': 'None']
'aws1-99999-test-file' => <Policy: aws1 (owner) = FULL_CONTROL, aws2 = FULL_CONTROL>
'aws1-99999-test-file-02' by 'aws2' ['meta1': 'None', 'meta2': 'None']
'aws1-99999-test-file-02' => <Policy: aws2 (owner) = FULL_CONTROL>
```

In radosgw it dumps the following:

```
$ ./s3copyobject.py
Creating 'testuser1-99999-transfer-bug-bucket
Press <Enter> to continue with copy object...
Copying object
Traceback (most recent call last):
  File "./s3copyobject.py", line 66, in <module>
    copy_object()
  File "./s3copyobject.py", line 62, in copy_object
    bucket.copy_key(file_name + "-02", bucket_name, file_name)
  File "/usr/lib/python2.7/dist-packages/boto/s3/bucket.py", line 762, in copy_key
    response.reason, body)
boto.exception.S3ResponseError: S3ResponseError: 403 Forbidden
<?xml version="1.0" encoding="UTF-8"?><Error><Code>AccessDenied</Code></Error>
```

Related issues:

Related to rgw - Bug #11563: RadosGW regression: COPY doesn't preserve Conten...	**Resolved**	**05/07/2015**

| Copied to rgw - Backport #11754: Object copy bug | **Resolved** | **05/15/2015** |
| Copied to rgw - Backport #11755: Object copy bug | **Resolved** | **05/15/2015** |

Associated revisions

Revision 1dac80df - 05/22/2015 07:41 AM - Javier M. Mellid

rgw: Use attrs from source bucket on copy

On copy objects, when bucket source is the same as the destination, use attrs
from source bucket.

Fixes: #11639

Signed-off-by: Javier M. Mellid <jmunhoz@igalia.com>

Revision 2d5d8da3 - 05/26/2015 11:56 AM - Javier M. Mellid

rgw: Use attrs from source bucket on copy

On copy objects, when bucket source is the same as the destination, use attrs
from source bucket.

Fixes: #11639

Signed-off-by: Javier M. Mellid <jmunhoz@igalia.com>
(cherry picked from commit 1dac80df1d4a2364154ed8b404d13609936c257b)

Revision 54f4e7d4 - 06/07/2015 07:29 AM - Javier M. Mellid

rgw: Use attrs from source bucket on copy

On copy objects, when bucket source is the same as the destination, use attrs
from source bucket.

Fixes: #11639

Signed-off-by: Javier M. Mellid <jmunhoz@igalia.com>
(cherry picked from commit 1dac80df1d4a2364154ed8b404d13609936c257b)

History

#1 - 05/15/2015 01:01 PM - Javier M. Mellid

It looks on copy objects, when bucket source is the same as the destination we should use attrs from source bucket.

Created pull request here...

https://github.com/ceph/ceph/pull/4688

Testing the fix with s3copyobject.py aws' s3 and radosgw show the same behaviour/output now.

#2 - 05/15/2015 03:38 PM - Greg Farnum

- Project changed from Ceph to rgw

#3 - 05/15/2015 06:37 PM - Nathan Cutler

- Status changed from New to Need Review

#4 - 05/25/2015 07:08 AM - Yehuda Sadeh

- Status changed from Need Review to Pending Backport

- Backport set to hammer, firefly

Note: we need to create a test for this in s3-tests. Opened issue #11753.

#5 - 05/27/2015 09:42 AM - Javier M. Mellid

Test available in #11753 (pull request asked)

#6 - 07/25/2015 11:23 AM - Nathan Cutler

- Status changed from Pending Backport to Resolved

Files

s3copyobject.py	2.73 KB	05/15/2015	Javier M. Mellid