

## rgw - Bug #10311

### Object is deleted automatically if conditional PUT returns 412

12/14/2014 06:59 PM - Zhi Zhang

<b>Status:</b>	Resolved	<b>% Done:</b>	0%
<b>Priority:</b>	Normal	<b>Spent time:</b>	0.00 hour
<b>Assignee:</b>	Yehuda Sadeh		
<b>Category:</b>			
<b>Target version:</b>			
<b>Source:</b>	Community (dev)	<b>Affected Versions:</b>	
<b>Tags:</b>		<b>ceph-qa-suite:</b>	
<b>Backport:</b>		<b>Pull request ID:</b>	
<b>Regression:</b>	No	<b>Crash signature (v1):</b>	
<b>Severity:</b>	3 - minor	<b>Crash signature (v2):</b>	
<b>Reviewed:</b>			

#### Description

After back-porting conditional PUT feature, test shows object will be deleted automatically if conditional PUT returns 412.

steps to reproduce:

1. PUT an object:

```
< HTTP/1.1 100 Continue
< HTTP/1.1 200 OK
< Date: Fri, 12 Dec 2014 12:22:45 GMT
< ETag: "732e976ffef9035fe23c352d2476bea0"
< Content-Length: 0
< Accept-Ranges: bytes
< P3P: policyref="http://info.yahoo.com/w3c/p3p.xml", CP="CAO DSP COR CUR ADM
DEV TAI PSA PSD IVAi IVDi CONi TELo OTPi OUR DELi SAMi OTRi UNRi PUBi IND PHY
ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE LOC GOV"
< Cache-Control: private
< Vary: Accept-Encoding
< Content-Type: application/xml
```

2. GET it without "If-Match" or "If-None-Match" header:

```
...
< HTTP/1.1 200 OK
< Date: Fri, 12 Dec 2014 12:25:10 GMT
< Content-Length: 1537
< Accept-Ranges: bytes
< Last-Modified: Fri, 12 Dec 2014 12:22:46 GMT
< ETag: "732e976ffef9035fe23c352d2476bea0"
< P3P: policyref="http://info.yahoo.com/w3c/p3p.xml", CP="CAO DSP COR CUR ADM
DEV TAI PSA PSD IVAi IVDi CONi TELo OTPi OUR DELi SAMi OTRi UNRi PUBi IND PHY
ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE LOC GOV"
< Cache-Control: private
< Content-Type: binary/octet-stream
```

3. PUT this object again with new content and using "If-Match" header with wrong Etag:

```
...
Authorization: AWS A1VEJWKDMG837WNA5UIK:Uyl+dtMGNh2fGz/y9RbYUN9LgME=
If-Match: 1234567
Content-Length: 3259
Expect: 100-continue
```

```
< HTTP/1.1 100 Continue
< HTTP/1.1 412 Precondition Failed
< Date: Fri, 12 Dec 2014 12:27:19 GMT
< Content-Length: 84
< Accept-Ranges: bytes
```

4. GET it again. It should return old content, but it returns 404:

```
...
< HTTP/1.1 404 Not Found
< Date: Fri, 12 Dec 2014 12:29:51 GMT
< Content-Length: 75
< Accept-Ranges: bytes
< P3P: policyref="http://info.yahoo.com/w3c/p3p.xml", CP="CAO DSP COR CUR ADM
DEV TAI PSA PSD IVAi IVDi CONi TELo OTPi OUR DELi SAMi OTRi UNRi PUBi IND PHY
ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE LOC GOV"
< Cache-Control: private
< Vary: Accept-Encoding
< Content-Type: application/xml
<
<?xml version="1.0" encoding="UTF-8"?><Error><Code>NoSuchKey</Code></Error>
```

## Associated revisions

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### Revision bf8f0625 - 01/09/2015 06:23 PM - Yehuda Sadeh

rgw: only keep track for cleanup of rados objects that were written

Fixes: #10311

We're keeping track of rados objects that we've written so that we could clean them up if needed. Earlier we weren't too accurate about it and were also setting the head object that is yet to be written. This now only applies to the tail data, and a bit clearer.

Signed-off-by: Yehuda Sadeh <[yehuda@redhat.com](mailto:yehuda@redhat.com)>

### Revision 0b5d8033 - 01/14/2015 03:21 AM - Yehuda Sadeh

rgw: only keep track for cleanup of rados objects that were written

Fixes: #10311

We're keeping track of rados objects that we've written so that we could clean them up if needed. Earlier we weren't too accurate about it and were also setting the head object that is yet to be written. This now only applies to the tail data, and a bit clearer.

Signed-off-by: Yehuda Sadeh <[yehuda@redhat.com](mailto:yehuda@redhat.com)>

## History

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**#1 - 12/15/2014 12:51 AM - Xiangyu Lv**

- Status changed from New to Fix Under Review

Sent out the PR for fix: <https://github.com/ceph/ceph/pull/3176>

Also committed some functional test cases in: <https://github.com/ceph/s3-tests/pull/27>

Please help to review them.

**#2 - 12/15/2014 12:55 AM - Xiangyu Lv**

- Assignee changed from Xiangyu Lv to Yehuda Sadeh

**#3 - 01/15/2015 09:44 PM - Sage Weil**

- Status changed from Fix Under Review to Resolved

**#4 - 01/15/2015 09:44 PM - Sage Weil**

- Status changed from Resolved to Pending Backport

- Backport set to giant,firefly

**#5 - 01/29/2015 12:04 AM - Yehuda Sadeh**

- Backport deleted (giant,firefly)

No need for backport tag. There's no conditional PUT in firefly / giant.

**#6 - 01/29/2015 12:05 AM - Yehuda Sadeh**

- Status changed from Pending Backport to Resolved