### rgw - Bug #10475

**rgw: setting bucket metadata via swift api removes existing metadata**

01/07/2015 01:25 PM - Josh Durgin

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
<th>Start date:</th>
<th>01/07/2015</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
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<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td>Dmytro lurchenko</td>
<td>% Done:</td>
<td>100%</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
<td>Estimated time:</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Target version:</td>
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<td>Spent time:</td>
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</tr>
<tr>
<td>Source:</td>
<td>Development</td>
<td>Reviewed:</td>
<td></td>
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<td>Tags:</td>
<td>giant, firefly</td>
<td>Affected Versions:</td>
<td>ceph-qa-suite:</td>
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<td>Regression:</td>
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<td>Severity:</td>
<td>3 - minor</td>
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</tbody>
</table>

#### Description

According to [http://docs.openstack.org/api/openstack-object-storage/1.0/content/POST_updateContainerMeta_v1_account_container_storages_container_services.html](http://docs.openstack.org/api/openstack-object-storage/1.0/content/POST_updateContainerMeta_v1_account_container_storages_container_services.html) the existing metadata should not be affected.

commit:f67bfa24fd6f69c2fccc0987eba8b6b426dd78320

#### Associated revisions

**Revision f67bfa24 - 02/10/2015 05:18 PM - Dmytro lurchenko**

rgw: Swift API. Support for X-Remove-Container-Meta-{key} header.

Fixes: #10475
Backport: hammer, firefly
Reported-by: Josh Durgin &lt;jdurgin@redhat.com&gt;
Signed-off-by: Dmytro lurchenko &lt;dlurchenko@mirantis.com&gt;

**Revision d0fd417e - 03/10/2015 11:35 PM - Dmytro lurchenko**

rgw: Swift API. Support for X-Remove-Container-Meta-{key} header.

Fixes: #10475
Backport: hammer, firefly
Reported-by: Josh Durgin &lt;jdurgin@redhat.com&gt;
Signed-off-by: Dmytro lurchenko &lt;dlurchenko@mirantis.com&gt;

(cherry picked from commit f67bfa24fd6f69c2fccc0987eba8b6b426dd78320)

Conflicts:
src/rgw/rgw_rest.h
trivial merge: prototype of an unrelated function changed
s/is_object_op/!(s->object == NULL)/
Revision c3d998e4 - 03/19/2015 01:26 PM - Dmytro Iurchenko

rgw: Swift API. Support for X-Remove-Container-Meta-{key} header.

Fixes: #10475
Backport: hammer, firefly
Reported-by: Josh Durgin <jdurgin@redhat.com>
Signed-off-by: Dmytro Iurchenko <diurchenko@mirantis.com>
(cherry picked from commit f67bfa24fd6f69c2fcc0987eba9b6b426dd78320)

Conflicts:
src/rgw/rgw_rest.h
trivial merge: prototype of an unrelated function changed
src/rgw/rgw_op.cc
s/is_object_op/!(s->object == NULL)/

History

#1 - 01/19/2015 07:18 AM - Dmytro Iurchenko
I've started to work on it.

#2 - 01/22/2015 06:44 PM - Yehuda Sadeh
- Assignee set to Dmytro Iurchenko

#3 - 01/22/2015 07:09 PM - Josh Durgin
FWIW I filed this based on reading RGWPutMetadata::execute() during a review:
https://github.com/ceph/ceph/blob/6f44f7a0a9847e419ce2783164633efa71218380/src/rgw/rgw_op.cc#L1940

#4 - 01/23/2015 08:13 AM - Dmytro Iurchenko
- Status changed from New to In Progress

Sending new metadata to an object will erase existing ones too.
I couldn't test it, because development version has troubles with returning back bucket's custom metadata.
So I had to fix that first. I will provide both fixes in one patch.

#5 - 01/23/2015 12:54 PM - Dmytro Iurchenko
- % Done changed from 0 to 20

#6 - 01/23/2015 06:09 PM - Dmytro Iurchenko
- % Done changed from 20 to 40

Implemented correct metadata merging and deletion according to:
http://docs.openstack.org/api/openstack-object-storage/1.0/content/delete-container-metadata.html
Now testing and improving the patch before publishing it.

#7 - 01/27/2015 10:45 AM - Dmytro Iurchenko
Now waiting for the review.
https://github.com/ceph/ceph/pull/3561

#8 - 01/27/2015 06:42 PM - Sage Weil
- Status changed from In Progress to Need Review

#9 - 02/10/2015 09:06 PM - Yehuda Sadeh
- Status changed from Need Review to Pending Backport

#10 - 03/10/2015 10:12 PM - Loic Dachary
- Description updated

#11 - 03/17/2015 12:33 PM - Loic Dachary
- Description updated

#12 - 03/17/2015 12:51 PM - Loic Dachary
  - giant backport https://github.com/ceph/ceph/pull/4034

#13 - 03/24/2015 05:55 PM - Sage Weil
- Status changed from Pending Backport to Resolved