

## mgr - Bug #40753

Tasks # 36451 (New): mgr/dashboard: Scalability testing

### mgr/dashboard: Perform scalability tests with large amounts of RGW buckets

07/12/2019 11:49 AM - Lenz Grimmer

<b>Status:</b> Resolved	<b>% Done:</b> 0%
<b>Priority:</b> Urgent	
<b>Assignee:</b> Ernesto Puerta	
<b>Category:</b> dashboard/rgw	
<b>Target version:</b> v16.0.0	
<b>Source:</b>	<b>Reviewed:</b>
<b>Tags:</b> scalability	<b>Affected Versions:</b>
<b>Backport:</b> nautilus, octopus	<b>ceph-qa-suite:</b>
<b>Regression:</b> No	<b>Pull request ID:</b>
<b>Severity:</b> 1 - critical	<b>Crash signature:</b>
<b>Description</b>	
Evaluate the performance of the dashboard with increasing sizes of RGW buckets to identify potential bottlenecks and performance improvements.	
<b>Related issues:</b>	
Related to rgw - Feature #22168: The RGW Admin OPS is missing the ability to ...	<b>New</b> 11/20/2017
Related to mgr - Bug #47543: mgr/dashboard: fix performance issue when listin...	<b>Resolved</b>
Copied to mgr - Tasks #40766: mgr/dashboard: Perform scalability tests with l...	<b>New</b> 07/12/2019

#### History

##### #1 - 07/12/2019 03:30 PM - Lenz Grimmer

- Copied to Tasks #40766: mgr/dashboard: Perform scalability tests with large amounts of RGW users added

##### #2 - 09/11/2020 08:29 AM - Ernesto Puerta

- Tracker changed from Tasks to Bug
- Status changed from New to In Progress
- Assignee set to Ernesto Puerta
- Priority changed from Normal to Urgent
- Target version changed from v15.0.0 to v16.0.0
- Tags set to scalability
- Backport set to nautilus, octopus
- Regression set to No
- Severity set to 1 - critical

This has been reproduced in downstream (nautilus based) with more than 2k buckets and real network conditions, and basically renders RGW Bucket management unusable. Given that RGW bucket hasn't changed too much since Nautilus, this will likely be reproducible in upstream. I will try to.

Good news is that the back-end works and return the whole 2k list of buckets. Front-end reports net::ERR\_INSUFFICIENT\_RESOURCES, so this might be due to the front-end launching many requests in parallel for each bucket.

##### #3 - 09/11/2020 08:43 AM - Volker Theile

The problem here is that the RGW Admin OPS API does not support filters and pagination. Because of that the Dashboard RGW controller need to retrieve ALL buckets, bypass them to the UI which then does the filtering.

I created an tracker issue loooooong time ago that the Admin OPS API requires that feature: <https://tracker.ceph.com/issues/22168>

**#4 - 09/11/2020 10:11 AM - Lenz Grimmer**

- *Related to Feature #22168: The RGW Admin OPS is missing the ability to filter for e.g. buckets and users added*

**#5 - 09/11/2020 10:22 AM - Ernesto Puerta**

Volker Theile wrote:

The problem here is that the RGW Admin OPS API does not support filters and pagination. Because of that the Dashboard RGW controller need to retrieve ALL buckets, bypass them to the UI which then does the filtering.

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Thanks for the context, Volker!

**#6 - 09/18/2020 02:48 PM - Alfonso Martínez**

- *Related to Bug #47543: mgr/dashboard: fix performance issue when listing large amounts of buckets added*

**#7 - 12/03/2020 01:42 PM - Ernesto Puerta**

- *Status changed from In Progress to Resolved*