

## Docker Support - Issue #3983

### Still seeing lots of docker images when specifying --tags

09/06/2018 08:18 PM - jmontleo@redhat.com

|                                 |                  |                          |           |
|---------------------------------|------------------|--------------------------|-----------|
| <b>Status:</b>                  | CLOSED - NOTABUG | <b>Start date:</b>       |           |
| <b>Priority:</b>                | Normal           | <b>Due date:</b>         |           |
| <b>Assignee:</b>                |                  | <b>Estimated time:</b>   | 0:00 hour |
| <b>Category:</b>                |                  |                          |           |
| <b>Sprint/Milestone:</b>        |                  |                          |           |
| <b>Severity:</b>                | 2. Medium        | <b>Groomed:</b>          | No        |
| <b>Version - Docker:</b>        |                  | <b>Sprint Candidate:</b> | No        |
| <b>Platform Release:</b>        |                  | <b>Tags:</b>             | Pulp 2    |
| <b>Target Release - Docker:</b> |                  | <b>Sprint:</b>           |           |
| <b>OS:</b>                      |                  | <b>Quarter:</b>          |           |
| <b>Triaged:</b>                 | No               |                          |           |

#### Description

First of all, thank you for the --tags option. I already see significantly less disk usage.

I am not sure if what I am seeing here is a bug, a limitation, or output I am misunderstanding, but:

Before it was possible to set tags I had a repo that looked like so:

Before tags were set:

Id: cri-o

Display Name: None

Description: None

Content Unit Counts:

Docker Blob: 560

Docker Image: 365

Docker Manifest: 2020

Docker Manifest List: 173

Docker Tag: 2132

After setting tags all unit counts decreased except the Images:

Id: cri-o

Display Name: None

Description: None

Content Unit Counts:

Docker Blob: 16

Docker Image: 365

Docker Manifest: 10

Docker Manifest List: 5

Docker Tag: 10

The output with details looks like so, with an extremely long list of Image Id's for tags I did not specify:

```
pulp-admin repo list --repo-id cri-o --details
```

---

Repositories

---

Id: cri-o

Display Name: None

Description: None

Content Unit Counts:

Docker Blob: 16

Docker Image: 365

Docker Manifest: 10

Docker Manifest List: 5  
Docker Tag: 10  
Notes:  
Scratchpad:  
Tags:  
Image Id: 947113c11ff6665c144efa7905d4390df9d23c104473630a2a1eb2140f67dd38  
Tag: v3.9.0.20180225.223947  
Image Id: 7c2737052810cbcace14693d2eae6ca5a0b980e8538c533f7c373bc94d6dd54f  
Tag: v3.11.0  
Image Id: 64aefd5d39a93ef7c84429239cabf31b4a8ed39460c10e3c8d1e0309775d489f  
Tag: rhaos-3.8-rhel-7-docker-candidate-10731-20180107142740  
Image Id: db7ef4db0a18079bc5286a950523ff34a7c36d464b6d671d9d2324eed0d0bbe  
Tag: rhaos-3.10-rhel-7-ppc64le-containers-candidate-35156-20180723021738  
Image Id: f338ce0b7003128737218ef7c89d7ca32f248a78218a50937585b4359c11dc0e  
Tag: v3.10.14.20180720.120005  
...  
Importers:  
Config:  
Enable V1: True  
Enable V2: True  
Feed: <http://brew-pulp-docker01.web.prod.ext.phx2.redhat.com:8888>  
SSL Validation: False  
Tags: v3.7, v3.9, v3.10, v3.11, latest  
Upstream Name: openshift3/cri-o  
Id: docker\_importer  
Importer Type Id: docker\_importer  
Last Override Config:  
Last Sync: 2018-09-06T17:22:46Z  
Last Updated: 2018-09-06T17:21:36Z  
Repo Id: cri-o  
Scratchpad: None  
Distributors:  
Auto Publish: True  
Config:  
Redirect-url: <http://asb-registry.usersys.redhat.com/pulp/docker/v2/cri-o>  
Repo-registry-id: openshift3/cri-o  
Distributor Type Id: docker\_distributor\_web  
Id: docker\_web\_distributor\_name\_cli  
Last Override Config:  
Last Publish: 2018-09-06T17:45:53Z  
Last Updated: 2018-09-06T17:21:36Z  
Repo Id: cri-o  
Scratchpad:  
Auto Publish: False  
Config:  
Redirect-url: <http://asb-registry.usersys.redhat.com/pulp/docker/v2/cri-o>  
Repo-registry-id: openshift3/cri-o  
Distributor Type Id: docker\_distributor\_export  
Id: docker\_export\_distributor\_name\_cli  
Last Override Config:  
Last Publish: None  
Last Updated: 2018-09-06T17:21:36Z  
Repo Id: cri-o  
Scratchpad:

## History

### #1 - 09/06/2018 11:04 PM - tomckay@redhat.com

Unsure if relevant/related/problem: I synced the same repo and tag limits in foreman w/ pulp-2.17.0, but the results had zero docker\_images. Which is correct, 365 (as in this issue report), zero (as I received in foreman), or something in between?

### #2 - 09/06/2018 11:34 PM - jmontleo@redhat.com

If I create the repo in pulp with '--enable-v1 false' then I see no docker\_images either. So I guess maybe it's the case that the tag list does not affect

v1 content.

1. pulp-admin docker repo list --repo-id cri-o

---

Docker Repositories

---

Id: cri-o  
Display Name: None  
Description: None  
Content Unit Counts:  
Docker Blob: 16  
Docker Manifest: 10  
Docker Manifest List: 5  
Docker Tag: 10

**#3 - 09/07/2018 12:53 PM - ipanova@redhat.com**

The docker\_images are content for v1 api.

The feature for white listening the tags are only for v2 api, given the fact that v1 content is going away, and will be completely removed in the upcoming major version of pulp3. Also note that in v1 tags are embedded and in v2 tags are treated as a separate content unit [0]  
[0] [https://docs.pulpproject.org/plugins/pulp\\_docker/tech-reference/tags.html](https://docs.pulpproject.org/plugins/pulp_docker/tech-reference/tags.html)

Any reason you still have enabled v1 registry api? Since the fallback to protocol v1 is disabled already, it does not really make sense to support both api versions for the same content in one repo. [1] [2]

For the reasons mentioned above, we did not add the white listening of tags for v1 content, in addition to the fact that it would be a nightmare to manage all the parents and ancestry dependencies of the images.

See more docs [3][4]

Please close this issue if you feel comfortable with the explanation above.

- [1] <https://pulp.plan.io/issues/2735>  
[2] [https://github.com/pulp/pulp\\_docker/pull/195/files](https://github.com/pulp/pulp_docker/pull/195/files)  
[3] [https://docs.pulpproject.org/plugins/pulp\\_docker/tech-reference/importer.html](https://docs.pulpproject.org/plugins/pulp_docker/tech-reference/importer.html)  
[4] [https://docs.pulpproject.org/plugins/pulp\\_docker/user-guide/release-notes/3.2.x.html](https://docs.pulpproject.org/plugins/pulp_docker/user-guide/release-notes/3.2.x.html)

**#4 - 09/07/2018 01:28 PM - jmontleo@redhat.com**

Thanks for the explanation. And given all of that I am fine with closing this. I recreated the repos with v1 disabled last night and everything we use the registry for continued working so I am satisfied with this as an option for cleaning up, especially since it will be removed in pulp 3 anyway.

**#5 - 09/07/2018 04:53 PM - ipanova@redhat.com**

great. closing this as notabug

**#6 - 09/07/2018 04:54 PM - ipanova@redhat.com**

- Status changed from NEW to CLOSED - NOTABUG

**#7 - 04/15/2019 10:08 PM - bmbouter**

- Tags Pulp 2 added