

Docker Support - Story #2384

As a user I can sync manifest lists

11/03/2016 06:35 PM - ipanova@redhat.com

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	ipanova@redhat.com	% Done:	100%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Tags:	Pulp 2
Platform Release:	2.14.0	Sprint:	Sprint 22
Target Release - Docker:		Quarter:	
Groomed:	Yes		
Sprint Candidate:	Yes		
Description			
As a result of this story, Pulp Docker will support manifests lists for sync, publish and copy.			
https://docs.docker.com/registry/spec/manifest-v2-2/#manifest-list			
To support manifest lists we need to:			
1. Manifest list will be a new content type, so a Manifest list model should be defined.			
2. During sync always make 3 requests to the registry and in each request set properly the headers(We would need to make 3 requests to support schema 1, schema2 and manifest lists)			
- some parts of sync logic should be changed so it would correctly process manifest list and its image manifests			
- also some changes would be needed to be done to the copy operation, so it would properly copy referenced image manifests in the list			
- also some changes would need to be in the tagging of the manifest, so it would tag properly the manifest list and respect the fact that the tag is unique per repo			
3. As a result of 3rd request we will have to save to the DB manifest list			
4. Update Tag model, so it would be aware that it references a manifest list. Based on changes, write a migration.			
5. Update apache config to set headers for published manifest list directory to reflect the correct Content-Type, similar to existing behavior with schema 1 vs 2			
6. Change publish dir structure, so it would add a directory for manifest lists			
7. Change the schema of the crane metadata file to add manifest lists			
8. Change publish to create the new crane metadata file			
9. Release notes and user docs			
10. update crane metadata file docs			
Subtasks:			
Story # 2385: Update crane to serve manifest lists			CLOSED - CURRENTRELEASE
Related issues:			
Blocked by Docker Support - Story #2099: As a user, I can sync v2 schema mani...			CLOSED - CURRENTRELEASE
Copied to Docker Support - Story #2766: As a user I can sync and publish mani...			CLOSED - WONTFIX

Associated revisions

Revision 5cde929f - 07/14/2017 02:58 PM - ipanova@redhat.com

As a user I can sync manifest lists.

closes #2384 <https://pulp.plan.io/issues/2384>

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History

#1 - 11/03/2016 06:35 PM - ipanova@redhat.com

- Blocked by Story #2099: As a user, I can sync v2 schema manifests added

#2 - 11/03/2016 06:37 PM - ipanova@redhat.com

- Description updated

#3 - 11/03/2016 06:37 PM - ipanova@redhat.com

I made it blocked by [#2099](#) because of changes needed to be in Tag model

#4 - 11/03/2016 09:36 PM - mhrivnak

- Tracker changed from Issue to Story

- % Done set to 0

#5 - 05/18/2017 04:27 AM - mhrivnak

- Copied to Story #2766: As a user I can sync and publish manifest lists added

#6 - 06/09/2017 05:19 PM - ipanova@redhat.com

- Description updated

#7 - 06/09/2017 05:33 PM - ipanova@redhat.com

- Description updated

#8 - 06/12/2017 04:19 PM - mhrivnak

- Description updated

#9 - 06/12/2017 07:23 PM - bmbouter

I'm not very familiar with this, but this issue reads like it has all the right parts. +1 to grooming.

#10 - 06/13/2017 02:57 PM - mhrivnak

- Sprint/Milestone set to 40

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

#11 - 06/13/2017 03:42 PM - ipanova@redhat.com

- Status changed from NEW to ASSIGNED

- Assignee set to ipanova@redhat.com

#12 - 07/03/2017 02:37 PM - mhrivnak

- Sprint/Milestone changed from 40 to 41

#13 - 07/13/2017 06:31 PM - ipanova@redhat.com

- Status changed from ASSIGNED to POST

https://github.com/pulp/pulp_docker/pull/200

#14 - 07/14/2017 03:35 PM - ipanova@redhat.com

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [5cde929fab8760d564d19d8b5dd1c86ae09b7421](https://github.com/PulpQE/pulp-smash/pull/742).

#16 - 07/20/2017 08:40 PM - pcreech

- Platform Release set to 2.14.0

#17 - 07/27/2017 05:15 PM - pcreech

- Status changed from MODIFIED to 5

#18 - 08/02/2017 08:13 PM - Ichimonji10

There are now automated tests for syncing and publishing Docker manifest lists. The most relevant changes are:

- <https://github.com/PulpQE/pulp-smash/pull/724>
- <https://github.com/PulpQE/pulp-smash/pull/741>
- <https://github.com/PulpQE/pulp-smash/pull/744>

In addition, I've performed some manual testing. The manual testing was as simple as installing Docker, starting the Docker daemon, and executing `docker pull localhost:5000/{repo_id}` for several different repositories.

#20 - 08/15/2017 04:17 PM - pcreech

- Status changed from 5 to CLOSED - CURRENTRELEASE

#21 - 03/09/2018 12:18 AM - bmbouter

- Sprint set to Sprint 22

#22 - 03/09/2018 12:19 AM - bmbouter

- Sprint/Milestone deleted (41)

#23 - 04/15/2019 10:23 PM - bmbouter

- Tags Pulp 2 added