

## Katello - Tracker #21289

### Add Docker Manifest List to Katello

10/11/2017 01:35 AM - Partha Aji

<b>Status:</b> New	<b>% Done:</b> 0%
<b>Priority:</b> Normal	
<b>Assignee:</b> Partha Aji	
<b>Category:</b> Container	
<b>Target version:</b> Katello 3.6.1	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Description</b>	
<p>Pulp 2.14 added support for docker manifest lists (<a href="https://docs.docker.com/registry/spec/manifest-v2-2/#manifest-list">https://docs.docker.com/registry/spec/manifest-v2-2/#manifest-list</a>) as part of <a href="https://pulp.plan.io/issues/2384">https://pulp.plan.io/issues/2384</a></p> <p>From my general understanding manifest lists are meant for multi architecture containers. For example in a checkout a busybox repo. Notice that the tag 'glibc' (having schema 1 and 2 versions) points to a manifest list:</p>	
<pre>&gt; db.units_docker_tag.find({'name':'glibc'}) { "_id" : "566bd1f7-357f-4288-b1ef-e06e3b16b3cb", "pulp_user_metadata" : { }, "_last_updated" : 1506007919, "name" : "glibc", "manifest_digest" : "sha256:a99ec478f03a87779cb367fc0e3656df378006eb97c6ce9a84ea147aa57d7aa9", "repo_id" : "containers", "schema_version" : 1, "manifest_type" : "image", "_ns" : "units_docker_tag", "_content_type_id" : "docker_tag" } { "_id" : "1dbc2926-170d-409f-86a7-bb9dcb03a817", "pulp_user_metadata" : { }, "_last_updated" : 1506007919, "name" : "glibc", "manifest_digest" : "sha256:6cb02cbabacf59962d0cd05176e68ae4769e998e8d98f5e3f28fe915de341d6c", "repo_id" : "containers", "schema_version" : 2, "manifest_type" : "list", "_ns" : "units_docker_tag", "_content_type_id" : "docker_tag" } &gt; db.units_docker_manifest.find({"digest":"sha256:a99ec478f03a87779cb367fc0e3656df378006eb97c6ce9a84ea147aa57d7aa9"}) { "_id" : "949a9a37-2989-4c7a-9f0b-abacbc50329d", "pulp_user_metadata" : { }, "_last_updated" : 1506007919, "_storage_path" : "/var/lib/pulp/content/units/docker_manifest/26/3a3fd1e41297c7ae7582f405b390e3b55dd20d423575f8ab3168ed008eb001/sha256:a99ec478f03a87779cb367fc0e3656df378006eb97c6ce9a84ea147aa57d7aa9", "downloaded" : true, "digest" : "sha256:a99ec478f03a87779cb367fc0e3656df378006eb97c6ce9a84ea147aa57d7aa9", "schema_version" : 1, "fs_layers" : [ { "blob_sum" : "sha256:a3ed95caeb02ffe68cdd9fd84406680ae93d633cb16422d00e8a7c22955b46d4" }, { "blob_sum" : "sha256:91d086a909e1537f8905a225a02fbb4f75e0dbcb3b42f82120d9c27748de1cfe" } ], "_ns" : "units_docker_manifest", "_content_type_id" : "docker_manifest" } &gt; &gt; db.units_docker_manifest_list.find({"digest":"sha256:6cb02cbabacf59962d0cd05176e68ae4769e998e8d98f5e3f28fe915de341d6c"}) { "_id" : "d5d41cad-2a82-43d2-93c8-169a74b07e4c", "pulp_user_metadata" : { }, "_last_updated" : 1506007917, "_storage_path" : "/var/lib/pulp/content/units/docker_manifest_list/29/5ea8bff9427de566d157403bb359d9da09a2e47b35bb3d2667342e3c4fe06f/sha256:6cb02cbabacf59962d0cd05176e68ae4769e998e8d98f5e3f28fe915de341d6c", "downloaded" : true, "digest" : "sha256:6cb02cbabacf59962d0cd05176e68ae4769e998e8d98f5e3f28fe915de341d6c", "schema_version" : 2, "manifests" : [ "sha256:98f12e5b0243774d2767dee77ad15b7cc5a835061e408c3bae9038ccdfa9d955", "sha256:5268ffa3b8d427494747e840f3016b63cb80340ff15b5aa153198d5853af3ced", "sha256:756e4909a1f5c4d78b98babd8cb4cf2937483398f7d6cb48b2c20b3e7740f54e", "sha256:92d8427b4ff3b3043073ed4d1ed54529867a8c7150c7b5d2ac3e06bb2dc5bf1c", "sha256:13258ce8b71b92b292eaa96ee9fa7d37cd1d5b5ccbce53010dd8835e2ebade09", "sha256:59117d7c016fba6ede7f87991204bd672a1dca444102de66db632383507ed90b", "sha256:e5aa1b0a24620228b75382997a0977f609b3ca3a95533dafdef84c74cc8df642" ], "amd64_digest" : "sha256:98f12e5b0243774d2767dee77ad15b7cc5a835061e408c3bae9038ccdfa9d955", "amd64_schema_version" : 2, "_ns" : "units_docker_manifest_list", "_content_type_id" : "docker_manifest_list" } &gt;</pre>	
<p>This implies Katello add model changes for Docker Manifest Lists and update the following pages</p> <ol style="list-style-type: none"><li>1) Add model bindings for docker manifest lists. Maintain the associations between Manifests and Manifest Lists</li></ol>	

- 1) Add Manage Docker Manifest Lists functionality via repo
- 2) Update Various counts displayed on Sync/CV pages.

**Related issues:**

Related to Katello - Feature #21387: Cannot remove docker manifest list	<b>New</b>	<b>10/18/2017</b>
Related to Katello - Feature #21388: content view filter needs to be able to ...	<b>Closed</b>	<b>10/18/2017</b>
Blocked by Katello - Feature #21290: Add Model Bindings for Docker Manifest List	<b>Closed</b>	<b>10/11/2017</b>
Blocked by Katello - Feature #21291: Add UI Bindings for the Docker Manifest ...	<b>Closed</b>	<b>10/11/2017</b>
Blocked by Runcible - Bug #21161: Add Docker Manifest List to Runcible	<b>Closed</b>	<b>09/29/2017</b>

**History**

**#1 - 10/11/2017 01:39 AM - Partha Aji**

- Related to Feature #21290: Add Model Bindings for Docker Manifest List added

**#2 - 10/11/2017 01:39 AM - Partha Aji**

- Related to deleted (Feature #21290: Add Model Bindings for Docker Manifest List)

**#3 - 10/11/2017 01:40 AM - Partha Aji**

- Blocked by Feature #21290: Add Model Bindings for Docker Manifest List added

**#4 - 10/11/2017 01:46 AM - Partha Aji**

- Blocked by Feature #21291: Add UI Bindings for the Docker Manifest List added

**#5 - 10/11/2017 01:48 AM - Partha Aji**

- Blocked by Bug #21161: Add Docker Manifest List to Runcible added

**#6 - 10/11/2017 01:50 AM - Partha Aji**

- Project changed from Runcible to Katello

**#7 - 10/12/2017 02:54 PM - Justin Sherrill**

- Category set to Container

- translation missing: en.field\_release set to 284

**#8 - 10/18/2017 09:44 PM - Partha Aji**

- Related to Feature #21387: Cannot remove docker manifest list added

**#9 - 10/18/2017 10:20 PM - Partha Aji**

- Related to Feature #21388: content view filter needs to be able to work with docker manifest list added

**#10 - 10/31/2017 10:44 AM - Brad Buckingham**

- Target version changed from 225 to 232

**#11 - 11/21/2017 01:34 PM - Brad Buckingham**

- Target version changed from 232 to 236

**#12 - 12/12/2017 02:04 PM - Brad Buckingham**

- Target version changed from 236 to 240

**#13 - 01/02/2018 01:09 AM - Brad Buckingham**

- Target version changed from 240 to 242

**#14 - 01/23/2018 12:34 PM - Brad Buckingham**

- Target version changed from 242 to 245

**#15 - 03/28/2018 06:23 PM - John Mitsch**

- translation missing: en.field\_release changed from 284 to 352