

## Docker Support - Refactor #863

Refactor # 765 (CLOSED - WONTFIX): Convert Pulp to use MongoEngine

### Convert pulp\_docker to use MongoEngine models for units

04/10/2015 05:32 PM - bcourt

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	rbarlow	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Tags:</b>	Pulp 2
<b>Platform Release:</b>		<b>Sprint:</b>	
<b>Target Release - Docker:</b>	2.0.0	<b>Quarter:</b>	
<b>Groomed:</b>	Yes		
<b>Sprint Candidate:</b>	Yes		

#### Description

Convert the pulp\_docker to use MongoEngine models for all unit actions instead of the associated unit

#### Deliverables:

- ContentUnit model for docker\_image units
  - The model is registered via the entry point
  - The types .json file is removed, and references to it in the spec files are also removed
- All interactions with units in the plugin use the new unit model and the Repository model for creating, saving and updating units

#### Related issues:

Has duplicate Docker Support - Refactor #1080: Convert the DockerManifest mod...	<b>CLOSED - DUPLICATE</b>
Blocked by Pulp - Refactor #862: Add unit association and querying support to...	<b>CLOSED - CURRENTRELEASE</b>
Blocked by Pulp - Refactor #853: Create the pulp.unit_models entry point	<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Refactor #867: Update the docs for the Plugin API to use the Mo...	<b>CLOSED - WONTFIX</b>
Blocks Pulp - Refactor #868: Update RepoUnitAssociationManager.associate_from...	<b>CLOSED - WONTFIX</b>
Blocks Pulp - Refactor #869: convert RepoUnitAssociationManager.unassociate_b...	<b>CLOSED - WONTFIX</b>
Blocks RPM Support - Refactor #874: Convert pulp_rpm to use MongoEngine Models	<b>CLOSED - CURRENTRELEASE</b>
Blocks Puppet Support - Refactor #875: Convert pulp_puppet to use MongoEngine...	<b>CLOSED - CURRENTRELEASE</b>
Blocks OSTree Support - Refactor #876: Convert pulp_ostree to use MongoEngine...	<b>CLOSED - CURRENTRELEASE</b>
Blocks Python Support - Refactor #877: convert pulp_python to use MongoEngine...	<b>CLOSED - CURRENTRELEASE</b>
Blocks Debian Support - Refactor #878: Convert pulp_deb to use MongoEngine mo...	<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Refactor #879: Deprecate old style of working with units	<b>CLOSED - WONTFIX</b>
Blocks Docker Support - Refactor #1037: Remove manual setting for repo.repo_id	<b>CLOSED - CURRENTRELEASE</b>

#### Associated revisions

##### Revision 89b89359 - 11/30/2015 05:08 PM - rbarlow

Allow developers to override the GetLocalUnitsStep's available\_units.

Some types are a mixture of Units and Metadata, and need to be treated separately. The GetLocalUnitsStep did not allow developers to specify what data structure would contain the iterable of available Units. This commit adds the ability for developers to give a pointer to that data structure while maintaining the previous behavior if it is not specified for backwards compatibility.

This is needed for the Docker plugin Mongoengine conversion as it reduces the number of steps that are needed in its importer's code.

<https://pulp.plan.io/issues/863>

re #863

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**Revision 0b218b99 - 12/10/2015 09:26 PM - rbarlow**

Convert the plugin to use mongoengine models.

<https://pulp.plan.io/issues/863>

closes #863

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## History

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**#1 - 04/10/2015 05:32 PM - bcourt**

- Blocked by Refactor #861: Convert usage of `pulp.plugins.model.Repository` to the `MongoEngine Model` added

**#2 - 04/10/2015 05:33 PM - bcourt**

- Blocks Refactor #862: Add unit association and querying support to the `Repository` model added

**#3 - 04/10/2015 05:33 PM - bcourt**

- Blocks deleted (Refactor #862: Add unit association and querying support to the `Repository` model)

**#4 - 04/10/2015 05:34 PM - bcourt**

- Blocked by Refactor #862: Add unit association and querying support to the `Repository` model added

**#5 - 04/10/2015 05:34 PM - bcourt**

- Blocked by deleted (Refactor #861: Convert usage of `pulp.plugins.model.Repository` to the `MongoEngine Model`)

**#6 - 04/10/2015 05:34 PM - bcourt**

- Blocked by Refactor #853: Create the `pulp.unit_models` entry point added

**#7 - 04/10/2015 05:57 PM - bcourt**

- Blocks Refactor #867: Update the docs for the `Plugin API` to use the `MongoEngine` models added

**#8 - 04/10/2015 06:00 PM - bcourt**

- Blocks Refactor #868: Update `RepoUnitAssociationManager.associate_from_repo` to use `MongoEngine` models when possible added

**#9 - 04/10/2015 06:03 PM - bcourt**

- Blocks Refactor #869: convert `RepoUnitAssociationManager.unassociate_by_criteria` to use `MongoEngine` models when possible added

**#10 - 04/10/2015 07:29 PM - bcourt**

- Description updated

**#11 - 04/10/2015 07:30 PM - bcourt**

- Blocks Refactor #874: Convert `pulp_rpm` to use `MongoEngine` Models added

**#12 - 04/10/2015 07:31 PM - bcourt**

- Blocks Refactor #875: Convert `pulp_puppet` to use `MongoEngine` models added

**#13 - 04/10/2015 07:32 PM - bcourt**

- Blocks Refactor #876: Convert `pulp_ostree` to use `MongoEngine` models added

**#14 - 04/10/2015 07:34 PM - bcourt**

- Blocks Refactor #877: convert `pulp_python` to use `MongoEngine` models added

**#15 - 04/10/2015 07:35 PM - bcourt**

- Blocks Refactor #878: Convert `pulp_deb` to use `MongoEngine` models added

**#16 - 04/10/2015 07:41 PM - bcourt**

- Blocks Refactor #879: Deprecate old style of working with units added

**#17 - 04/10/2015 07:49 PM - bcourt**

- Blocks Story #880: Remove the `types.json` method of specifying models added

**#18 - 04/10/2015 07:51 PM - bcourt**

- Blocks deleted (Story #880: Remove the `types.json` method of specifying models)

**#19 - 04/10/2015 08:04 PM - bcourt**

- Project changed from `Pulp` to `Docker Support`

**#20 - 04/24/2015 11:10 PM - bcourt**

- Priority changed from `Normal` to `High`

**#21 - 05/08/2015 07:36 PM - bcourt**

- Sprint Candidate set to `Yes`

**#22 - 05/08/2015 08:07 PM - bmbouter**

- Groomed set to `No`

**#23 - 05/08/2015 08:23 PM - mhrivnak**

- Blocks Task #967: Create a "manifest" model added

**#24 - 05/08/2015 08:23 PM - mhrivnak**

- Groomed changed from `No` to `Yes`

**#25 - 06/01/2015 04:33 PM - bcourt**

- Status changed from `NEW` to `POST`

- Assignee set to `bcourt`

- Sprint/Milestone set to `16`

- % Done changed from `0` to `100`

[https://github.com/pulp/pulp\\_docker/pull/70](https://github.com/pulp/pulp_docker/pull/70)

**#26 - 06/05/2015 09:35 PM - bcourt**

- Blocks Refactor #1037: Remove manual setting for repo.repo\_id added

**#27 - 06/08/2015 05:34 PM - bcourt**

- Target Release - Docker set to 1.2.0

**#28 - 06/11/2015 03:17 PM - mhrivnak**

- Blocks deleted (Task #967: Create a "manifest" model)

**#29 - 06/23/2015 11:54 PM - rbarlow**

- Blocks Refactor #1080: Convert the DockerManifest model to use mongoengine model added

**#30 - 07/13/2015 04:53 PM - bmbouter**

- Blocks deleted (Refactor #1080: Convert the DockerManifest model to use mongoengine model)

**#31 - 07/14/2015 06:04 PM - bcourt**

- Status changed from POST to MODIFIED

**#32 - 11/05/2015 09:39 PM - rbarlow**

- Has duplicate Refactor #1080: Convert the DockerManifest model to use mongoengine model added

**#33 - 11/05/2015 09:40 PM - rbarlow**

- Status changed from MODIFIED to ASSIGNED

- Assignee changed from bcourt to rbarlow

- Sprint/Milestone deleted (16)

- % Done changed from 100 to 0

- Target Release - Docker changed from 1.2.0 to master

**#34 - 11/12/2015 04:40 PM - rbarlow**

- Blocks Task #1368: Include Pulp in the Fedora Project added

**#35 - 11/12/2015 05:14 PM - rbarlow**

- Target Release - Docker changed from master to 2.0.0

**#36 - 12/01/2015 09:22 PM - rbarlow**

- Status changed from ASSIGNED to POST

[https://github.com/pulp/pulp\\_docker/pull/111](https://github.com/pulp/pulp_docker/pull/111)

**#37 - 12/11/2015 06:02 PM - rbarlow**

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [0b218b99221e56c2d8c668755902e6b3c517868d](#).

**#38 - 01/29/2016 11:37 PM - rbarlow**

- Blocks deleted (Task #1368: Include Pulp in the Fedora Project)

**#39 - 02/11/2016 09:16 PM - rbarlow**

- Status changed from MODIFIED to 5

**#40 - 02/26/2016 12:15 AM - rbarlow**

- Status changed from 5 to 6

Docker is definitely using MongoEngine models now.

**#41 - 03/23/2016 07:20 PM - dkliban@redhat.com**

- Status changed from 6 to CLOSED - CURRENTRELEASE

**#43 - 04/15/2019 10:51 PM - bmbouter**

- Tags Pulp 2 added