

## Pulp - Story #247

### pulp-manage-db --noop or --check mode

02/19/2015 02:19 AM - mlamouri@redhat.com

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	jcline@redhat.com	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Tags:</b>	Pulp 2
<b>Platform Release:</b>	2.6.0	<b>Sprint:</b>	
<b>Groomed:</b>	No	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	No		

#### Description

++ This bug was initially created as a clone of [Bugzilla Bug #1132663](#) ++

Description of problem:

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As an operator I want to be able to determine if the database migrations are up to date without making any change to the database.

When running in kubernetes, I need to be able to probe and poll from the worker containers until the db is ready. Without a non-destructive way to check the db status I have to manually sequence and test the DB status before launching workers.

Version-Release number of selected component (if applicable):

How reproducible:

Steps to Reproduce:

- 1.
- 2.
- 3.

Actual results:

Expected results:

Additional info:

--- Additional comment from [jshubin@redhat.com](#) at 11/10/2014 20:35:20 ---

This is needed for puppet-pulp.

+1 ;)

--- Additional comment from [jcline@redhat.com](#) at 11/17/2014 15:23:40 ---

<https://github.com/pulp/pulp/pull/1307>

When this is merged, this can be tested as follows:

1. Ensure the database isn't set up:
  - a. 'mongo'
  - b. 'use pulp\_database'
  - c. 'db.dropDatabase()'
2. Run 'pulp-manage-db --dry-run'. It should print all the migrations it would have applied.
3. echo \$? should return 1.
4. Run 'pulp-manage-db' and make sure all the migrations are successful.
5. Run 'pulp-manage-db --dry-run' again. This time echo \$? should return 0.

--- Additional comment from [cduryee@redhat.com](mailto:cduryee@redhat.com) at 12/23/2014 20:52:58 ---

fixed in pulp 2.6.0-0.2.beta

--- Additional comment from [jshubin@redhat.com](mailto:jshubin@redhat.com) at 12/23/2014 20:59:09 ---

(In reply to Chris Duryee from comment [#3](#))

fixed in pulp 2.6.0-0.2.beta

Whattt, awesome.

It looks like from <https://github.com/jeremycline/pulp/commit/fe3041bc3bb21a738494b73f982824a8edaf40f4>

that it's --dry-run

Any idea if this is an expensive operation, or a quick one? < 3 sec (typically)?

--- Additional comment from [jcline@redhat.com](mailto:jcline@redhat.com) at 12/23/2014 23:18:46 ---

(In reply to James (purpleidea) from comment [#4](#))

(In reply to Chris Duryee from comment [#3](#))

fixed in pulp 2.6.0-0.2.beta

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[https://github.com/jeremycline/pulp/commit/](https://github.com/jeremycline/pulp/commit/fe3041bc3bb21a738494b73f982824a8edaf40f4)

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that it's --dry-run

Any idea if this is an expensive operation, or a quick one? < 3 sec (typically)?

I didn't test it with a large data set, but it just checks to see if the current applied migration version is smaller than the current available migration, so it should be very quick.

--- Additional comment from [igulina@redhat.com](mailto:igulina@redhat.com) at 01/06/2015 15:07:24 ---

```
db.dropDatabase()
```

```
{ "dropped" : "pulp_database", "ok" : 1 }
```

```
exit
```

```
sudo -u apache pulp-manage-db --dry-run
```

Mongo database for connection is version 2.4.6

Loading content types.

Loading type descriptors [docker.json, rpm\_support.json, puppet.json, iso\_support.json, nodes.json]

Parsing type descriptors

Validating type descriptor syntactic integrity

Validating type descriptor semantic integrity  
Would have created or updated the following type definition: docker\_image  
Would have created or updated the following type definition: distribution  
Would have created or updated the following type definition: drpm  
Would have created or updated the following type definition: erratum  
Would have created or updated the following type definition: package\_group  
Would have created or updated the following type definition: package\_category  
Would have created or updated the following type definition: package\_environment  
Would have created or updated the following type definition: rpm  
Would have created or updated the following type definition: srpm  
Would have created or updated the following type definition: yum\_repo\_metadata\_file  
Would have created or updated the following type definition: puppet\_module  
Would have created or updated the following type definition: iso  
Would have created or updated the following type definition: repository  
Would have created or updated the following type definition: node  
Content types loaded.  
Ensuring the admin role and user are in place.  
Mongo database for connection is version 2.4.6  
Would have created the admin role.  
Would have created the default admin user.  
Admin role and user are in place.  
Beginning database migrations.  
Applying pulp.server.db.migrations version 1  
Would have applied migration to pulp.server.db.migrations version 1  
Applying pulp.server.db.migrations version 2  
....  
Applying pulp\_rpm.plugins.migrations version 18  
Would have applied migration to pulp\_rpm.plugins.migrations version 18

echo \$?

1

sudo -u apache pulp-manage-db

Mongo database for connection is version 2.4.6  
Loading content types.  
Loading type descriptors [docker.json, rpm\_support.json, puppet.json, iso\_support.json, nodes.json]  
Parsing type descriptors  
Validating type descriptor syntactic integrity  
Validating type descriptor semantic integrity  
Updating the database with types [docker\_image, distribution, drpm, erratum, package\_group, package\_category, package\_environment, rpm, srpm, yum\_repo\_metadata\_file, puppet\_module, iso, repository, node]  
Content types loaded.  
Ensuring the admin role and user are in place.  
Mongo database for connection is version 2.4.6  
Admin role and user are in place.  
Beginning database migrations.  
Applying pulp.server.db.migrations version 1  
Migration to pulp.server.db.migrations version 1 complete.  
Applying pulp.server.db.migrations version 2  
...  
Applying pulp\_rpm.plugins.migrations version 16  
Loaded plugin yum\_distributor for types:  
rpm,srpm,drpm,erratum,package\_group,package\_category,distribution,yum\_repo\_metadata\_file  
Loaded plugin export\_distributor for types: rpm,srpm,drpm,erratum,distribution,package\_category,package\_group  
Loaded plugin iso\_distributor for types: iso  
Loaded plugin docker\_distributor\_web for types: docker\_image  
Loaded plugin docker\_distributor\_export for types: docker\_image  
Loaded plugin puppet\_distributor for types: puppet\_module  
Loaded plugin puppet\_file\_distributor for types: puppet\_module

```
Loaded plugin puppet_install_distributor for types: puppet_module
Loaded plugin nodes_http_distributor for types: node
Loaded plugin group_export_distributor for types: rpm,srpm,drpm,erratum,distribution,package_category,package_group
Loaded plugin yum_importer for types:
distribution,drpm,erratum,package_group,package_category,rpm,srpm,yum_repo_metadata_file,package_environment
Loaded plugin iso_importer for types: iso
Loaded plugin docker_importer for types: docker_image
Loaded plugin nodes_http_importer for types: node,repository
Loaded plugin puppet_importer for types: puppet_module
Loaded plugin yum_profiler for types: rpm,erratum
Loaded plugin puppet_whole_repo_profiler for types: puppet_module
Loaded plugin node for types: node,repository
Loaded plugin yum for types: rpm
Loaded plugin rhui for types: rpm
Migration to pulp_rpm.plugins.migrations version 16 complete.
Applying pulp_rpm.plugins.migrations version 17
Migration to pulp_rpm.plugins.migrations version 17 complete.
Applying pulp_rpm.plugins.migrations version 18
Migration to pulp_rpm.plugins.migrations version 18 complete.
Database migrations complete.
```

```
sudo -u apache pulp-manage-db --dry-run
```

```
Mongo database for connection is version 2.4.6
Loading content types.
Loading type descriptors [docker.json, rpm_support.json, puppet.json, iso_support.json, nodes.json]
Parsing type descriptors
Validating type descriptor syntactic integrity
Validating type descriptor semantic integrity
Content types loaded.
Ensuring the admin role and user are in place.
Mongo database for connection is version 2.4.6
Admin role and user are in place.
Beginning database migrations.
Migration package pulp.server.db.migrations is up to date at version 12
Migration package pulp_puppet.plugins.migrations is up to date at version 2
Migration package pulp_rpm.plugins.migrations is up to date at version 18
Database migrations complete.
```

```
echo $?
```

```
0
```

## History

### #1 - 02/23/2015 10:51 PM - bmbouter

- Status changed from NEW to 6

This was already at VERIFIED state in Bugzilla. There was an error in the migration into Redmine. This change sets the correct state.

### #2 - 03/24/2015 05:10 PM - bmbouter

- Platform Release deleted (2.6.0)

- Target Release - Docker set to 1.0.0

### #3 - 03/24/2015 06:52 PM - bmbouter

- Project changed from Docker Support to Pulp

- Platform Release set to 2.6.0

This is supposed to be against platform.

**#4 - 03/24/2015 06:53 PM - bmbouter**

- Subject changed from RFE: pulp-manage-db --noop or --check mode to pulp-manage-db --noop or --check mode

**#5 - 04/23/2015 06:24 PM - rbarlow**

- Status changed from 6 to CLOSED - CURRENTRELEASE

**#7 - 04/15/2019 11:17 PM - bmbouter**

- Tags Pulp 2 added