Pulp - Task #4348

Add unit tests for the pulpcore plugin API

01/23/2019 08:46 PM - daviddavis

Status:	MODIFIED		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	ppicka		**% Done:**	100%
Category:			**Estimated time:**	0:00 hour
Sprint/Milestone:	3.0			
Platform Release:			**QA Contact:**	
Blocks Release:			**Complexity:**	
Backwards Incompatible:	No		**Smash Test:**	
Groomed:	Yes		**Verified:**	No
Sprint Candidate:	Yes		**Verification Required:**	No
Tags:			**Sprint:**	Sprint 50

Description

Beyond some unit tests for the Stages API stuff, we have no Plugin API unit tests. The Galaxy team has asked us to make sure that we are testing the parts of the plugin API that they use. So at a minimum we need to cover:

- Plugin registration (ie a test to ensure that a plugin can register with Pulp and Pulp is then aware of the plugin)
- Content can be subclassed and CRUDed
- Publisher can be subclassed and CRUDed
- Publications can be CRDed by the plugin
- Distributions can be CRUDed by the plugin
- Plugin content can be served by the Content App

Associated revisions

Revision 98ce4d5a - 03/26/2019 02:46 PM - ppicka

Few unittests for plugin-api

Adding unit tests for content and repository version models.

closes: #4348
https://pulp.plan.io/issues/4348

Signed-off-by: Pavel Picka <ppicka@redhat.com>

History

#1 - 01/23/2019 08:46 PM - daviddavis

- Tags Pulp 3 added

#2 - 01/23/2019 08:46 PM - daviddavis

- Description updated

#3 - 01/24/2019 02:58 PM - daviddavis

- Subject changed from Add tests for the pulpcore plugin API to Add unit tests for the pulpcore plugin API

#4 - 01/24/2019 02:59 PM - daviddavis

- Description updated

#5 - 01/28/2019 08:09 PM - bmbouter

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

This task description makes sense to me. I think it's OK so I'm grooming it and making sprint candidate.

#6 - 01/29/2019 10:57 AM - mdellweg

Maybe this crazy idea is going a little too far, but if we did those unit tests with an on-the-fly instantiation of the plugin-template, we could kill two birds with one stone.

#7 - 02/15/2019 03:46 PM - ttereshc

- Sprint set to Sprint 49

#8 - 03/08/2019 11:41 PM - rchan

- Sprint changed from Sprint 49 to Sprint 50

#9 - 03/18/2019 02:15 PM - ppicka

- Status changed from NEW to ASSIGNED

- Assignee set to ppicka

#10 - 03/25/2019 10:09 PM - daviddavis

It sounds like these tests won't be possible without somehow setting up an appconfig which can't be done AFAICT on the fly:

```
ImportError: Failed to import test module: models.test_publisher
Traceback (most recent call last):
  File "/usr/lib64/python3.6/unittest/loader.py", line 428, in _find_test_path
    module = self._get_module_from_name(name)
  File "/usr/lib64/python3.6/unittest/loader.py", line 369, in _get_module_from_name
    __import__(name)
  File "/home/vagrant/devel/pulpcore-plugin/pulpcore/tests/unit/models/test_publisher.py", line 9, in <module>
    class TempClass2(Publisher):
  File "/usr/local/lib/pulp/lib64/python3.6/site-packages/django/db/models/base.py", line 95, in __new__
    "INSTALLED_APPS." % (module, name)
RuntimeError: Model class models.test_publisher.TempClass2 doesn't declare an explicit app_label and isn't in
an application in INSTALLED_APPS.
```


We have indirect coverage[0] of the pulpcore plugin API already so I'm tempted to close this as WONTFIX.

[0] https://github.com/pulp/pulpcore/tree/master/pulpcore/tests/functional/api/using_plugin

#11 - 03/26/2019 03:04 PM - ppicka

- Status changed from ASSIGNED to POST

https://github.com/pulp/pulpcore-plugin/pull/78

I went through https://github.com/pulp/pulpcore/tree/master/pulpcore/tests/functional/api/using_plugin which cover other stuffs pretty well.

For app registration is enough to run any basic test from any plugin as its basic operation at pulp start and cannot be tested at runtime.

#12 - 03/29/2019 03:51 PM - ppicka

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset pulpcore-plugin|98ce4d5a0522ef851b8efe4622ddf4617e790b7a.

#13 - 04/25/2019 06:44 PM - daviddavis

- Sprint/Milestone set to 3.0

#14 - 04/26/2019 10:32 PM - bmbouter

- Tags deleted (Pulp 3)