

## Pulp - Issue #3210

### Update Importer configuration fails.

12/15/2017 11:02 PM - jortel@redhat.com

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	ttereshc	<b>Estimated time:</b>	0:00 hour
<b>Category:</b>		<b>Groomed:</b>	No
<b>Sprint/Milestone:</b>		<b>Sprint Candidate:</b>	No
<b>Severity:</b>	2. Medium	<b>Tags:</b>	Pulp 2
<b>Version:</b>	2.13.3	<b>Sprint:</b>	
<b>Platform Release:</b>	2.15.1	<b>Quarter:</b>	
<b>OS:</b>			
<b>Triaged:</b>	Yes		
<b>Description</b>			
Updating the importer config fails.			
To recreate, PUT pulp/api/v2/repositories/<id>/importers/<id>/			
produces the trace:			
<pre>Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688) Task pulp.server.managers.repo.importer.update_importer_config[8a2b6d45-1829-4560-b441-055e6adb56f3] raised unexpect Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688) Traceback (most recent call last): Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/usr/lib/python2.7/site-packages/celery/app/trace.py", line 240, in trace_task Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     R = retval = fun(*args, **kwargs) Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/home/jortel/git/pulp/server/pulp/server/async/tasks.py", line 529, in __call__ Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     return super(Task, self).__call__(*args, **kwargs) Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/home/jortel/git/pulp/server/pulp/server/async/tasks.py", line 107, in __call__ Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     return super(PulpTask, self).__call__(*args, **kwargs) Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/usr/lib/python2.7/site-packages/celery/app/trace.py", line 438, in __protected_call__ Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     return self.run(*args, **kwargs) Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/home/jortel/git/pulp/server/pulp/server/controllers/importer.py", line 277, in update_importer_config Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     repo_importer.save() Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/home/jortel/git/pulp/server/pulp/server/db/model/__init__.py", line 291, in save Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     super(Importer, self).save() Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)   File "/usr/lib/python2.7/site-packages/mongoengine/document.py", line 398, in save Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688)     raise OperationError(message % unicode(err)) Dec 15 15:39:51 f25d.redhat.com pulp[20619]: celery.worker.job:ERROR: (20619-02688) OperationError: Could not save document (Cannot update 'config' and 'config.feed' at the same time)</pre>			
After some investigation, it seems to be data dependant. I tried various combinations of changing values and setting some to NULL which causes a dict.pop() but haven't found the magic combination yet.			

This was found posting to update the OSTree importer but I'm convinced the problem is in the core. This PUT body reproduces is for me.

```
{
  "importer_config":{
    "basic_auth_username": null,
    "basic_auth_password": null,
    "depth":44,
    "feed":"http://xx"
  }
}
```

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## Associated revisions

### Revision 80c7b96a - 12/19/2017 11:42 AM - ttereshc

Save importer config in a proper way for MongoDB DictField

MongoDB does not allow to change keys of the DictField and values of the same DictField simultaneously thus we need to save importer config twice.

closes #3210 <https://pulp.plan.io/issues/3210>

### Revision ec118d32 - 01/22/2018 05:11 PM - ttereshc

Save importer config in a proper way for MongoDB DictField

MongoDB does not allow to change keys of the DictField and values of the same DictField simultaneously thus we need to save importer config twice.

closes #3210 <https://pulp.plan.io/issues/3210>

(cherry picked from commit 80c7b96afb80937e0406b3c22857169aafe5b46)

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## History

### #2 - 12/15/2017 11:33 PM - ttereshc

I observed similar issue with errata model at some point. Mongo doesn't let you change a document and the document/object nested into it.

You probably had a feed before and you changed it, at the same time you probably didn't have depth and you added it (new key to the config dict). If it was done sequentially, it would work. That's my guess.

An additional save call on the importer model may solve the issue. I'll take a look.

### #4 - 12/18/2017 06:29 PM - ttereshc

- Status changed from *NEW* to *ASSIGNED*

- Assignee set to *ttereshc*

### #6 - 12/19/2017 04:03 AM - ttereshc

- Status changed from *ASSIGNED* to *POST*

<https://github.com/pulp/pulp/pull/3247>

The problem is in removing a key from a DictField (even an attempt of @pop@ing non-existing one) at the same time as updating a value of the same DictField.

### #7 - 12/19/2017 04:09 AM - ttereshc

Probably the same change should be done for a distributor if the suggested approach in the PR ^ will be accepted.

### #8 - 12/19/2017 04:51 PM - amacdona@redhat.com

- Triaged changed from *No* to *Yes*

### #9 - 01/03/2018 08:59 PM - dalley

Removed bz marked as duplicate

### #11 - 01/09/2018 09:32 AM - ttereshc

- Status changed from *POST* to *MODIFIED*

Applied in changeset [pulp|80c7b96afb80937e0406b3c22857169aafe5b46](#).

**#12 - 01/17/2018 10:31 PM - pcreech**

- Platform Release set to 2.15.1

**#13 - 01/22/2018 05:11 PM - ttereshc**

Applied in changeset [pulp|ec118d32a28cad41ba5e2ab43c20c7710a84efc7](#).

**#14 - 01/24/2018 03:30 PM - pcreech**

- Status changed from MODIFIED to 5

**#15 - 01/30/2018 08:20 PM - pcreech**

- Status changed from 5 to CLOSED - CURRENTRELEASE

**#17 - 04/15/2019 10:14 PM - bmbouter**

- Tags Pulp 2 added