

Pulp - Issue #5361

Installer can fail if run a second time on a system due to the installer producing migrations

08/27/2019 07:41 PM - sajha

Status:	CLOSED - DUPLICATE	Start date:	
Priority:	Normal	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:	Installer	Groomed:	No
Sprint/Milestone:		Sprint Candidate:	No
Severity:	2. Medium	Tags:	Katello
Version:		Sprint:	
Platform Release:		Quarter:	
OS:			
Triaged:	No		

Description

Problem

1. Assume a user has a plugin installed that contains migrations up to 10, but there are a few code changes that the developer didn't make another migration for.
2. The user runs the installer which due to the [this section](#) will create migration 11 for the user.
3. Then later the developer commits migration 11 and the user who upgrades receives at upgrade time.
4. Pulp will refuse to start saying there are two migrations 11 now (one from the installer, one from the developer post-upgrade).

Solution

The installer should not auto-create migrations. Django expects migrations to be made by developers and not on end-user systems at install time.

plugin specific encounter of this issue

Makemigration step for pulp_ansible plugin failed with the below error:

```
failed: [ansible-demo] (item=pulp-ansible) => changed=true
  cmd:
  - /usr/local/lib/pulp/bin/django-admin
  - makemigrations
  - ansible
  delta: '0:00:01.427656'
  end: '2019-08-27 16:35:49.892049'
  item: pulp-ansible
  msg: non-zero return code
  rc: 1
  start: '2019-08-27 16:35:48.464393'
  stderr: |-
    CommandError: Conflicting migrations detected; multiple leaf nodes in the migration graph: (00
    11_collectionimport, 0011_auto_20190821_1848 in ansible).
    To fix them run 'python manage.py makemigrations --merge'
  stderr_lines:
  - 'CommandError: Conflicting migrations detected; multiple leaf nodes in the migration graph: (0
  011_collectionimport, 0011_auto_20190821_1848 in ansible).'
  - To fix them run 'python manage.py makemigrations --merge'
  stdout: ''
  stdout_lines: <omitted>
    to retry, use: --limit @/home/sajha/.ansible/retry-files/katello_pulp3.retry
```

The contents of the 0011_auto_20190821_1848 were:

```
# Generated by Django 2.2.3 on 2019-08-21 18:48

from django.db import migrations

class Migration(migrations.Migration):

    dependencies = [
        ('ansible', '0010_ansible_related_names'),
    ]

    operations = [
        migrations.AlterModelOptions(
            name='collectionimport',
            options={'ordering': ['_created']},
        ),
    ]
```

Deleting the autogenerated 011 migration file and re-running the playbook fixes the problem.

Related issues:

Is duplicate of Pulp - Issue #5321: Stop having the installer call makemigrat...

CLOSED - CURRENTRELEASE

History

#1 - 08/27/2019 07:51 PM - bmbouter

- Project changed from Ansible Plugin to Pulp
- Tags Pulp 3 installer added

Moving to core since this is an installer issue.

#2 - 08/27/2019 07:53 PM - bmbouter

- Subject changed from *makemigration failed for pulp_ansible to installer can fail if run a second time on a system due to the installer producing migrations*

retitle to reflect the root cause.

#3 - 08/27/2019 08:03 PM - bmbouter

- Subject changed from *installer can fail if run a second time on a system due to the installer producing migrations* to *Installer can fail if run a second time on a system due to the installer producing migrations*
- Description updated

#4 - 08/27/2019 08:14 PM - amacdona@redhat.com

- Is duplicate of Issue #5321: Stop having the installer call makemigrations (scheduled to merge Sept 3rd) added

#5 - 08/27/2019 08:15 PM - amacdona@redhat.com

- Status changed from NEW to CLOSED - DUPLICATE

You are correct that the installer should not make migrations-- this was a step to aid in the early development process, but we have outgrown it. We have another issue that covers this: <https://pulp.plan.io/issues/5321> so I am closing as a dupe.

#6 - 05/08/2020 07:52 PM - ggaaney

- *Tags Katello added*
- *Tags deleted (Katello-P2)*

#7 - 05/13/2020 10:26 PM - bmbouter

- *Category set to Installer*
- *Tags deleted (Pulp 3 installer)*