

## Pulp - Task #3184

Story # 3209 (CLOSED - CURRENTRELEASE): As a user, I have Repository Versions

### Add complete field to Publication.

12/12/2017 09:19 PM - jortel@redhat.com

<b>Status:</b> CLOSED - CURRENTRELEASE	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> milan	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0:00 hour
<b>Sprint/Milestone:</b> 3.0.0	<b>Tags:</b>
<b>Platform Release:</b>	<b>Sprint:</b> Sprint 32
<b>Groomed:</b> Yes	<b>Quarter:</b>
<b>Sprint Candidate:</b> Yes	

**Description**

**Problem:**

The creation of Publications happens in plugins, so some parts of this description apply to plugins only. The pulpcore changes should be limited to adding the field and preventing use of complete=False publications. The plugins should either update their code to prevent the transaction problem presented below, or use the Publication context manager to be written in <https://pulp.plan.io/issues/3295>

The current implementation of the publishing task starts an outer transaction. This is undesirable because:

- Long running transactions can accumulate DB locks which can result in contention.
- Could exceed DB limitations on rollback segment.
- Prevents progress reports from being committed.

The following line needs to be removed:

```
with transaction.atomic():
```

Without the outer transaction, the publication will be committed *half-baked*. There needs to be a way to prevent the publication from being used before it is completely constructed. Here is a recap of a list design discussion:

- Add an attribute called 'complete' to Publication which defaults to False.
- Update the viewset so that it excludes Publications that have complete=False
- Update the filterset for Publications to also exclude Publications that have complete=False

**This part of the solution:**

1. Add Publication.complete
2. Obscure rendered by the API when Publication.complete=False

**Related issues:**

Related to File Support - Task #3323: Refit to use the Publication (Facade)	<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Story #3295: As a plugin writer, I have a tool that helps me wr...	<b>CLOSED - CURRENTRELEASE</b>

### Associated revisions

Revision 025991f0 - 02/01/2018 10:31 PM - milan

Add complete field to Publication

Only complete Publications can be distributed.

closes: #3184 <https://pulp.plan.io/issues/3184>

Revision 025991f0 - 02/01/2018 10:31 PM - milan

Add complete field to Publication

Only complete Publications can be distributed.

closes: #3184 <https://pulp.plan.io/issues/3184>

## History

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**#1 - 12/12/2017 09:20 PM - jortel@redhat.com**

- Subject changed from *Publishing task uses single transaction. to Publishing task cannot start outer transaction.*

**#2 - 12/12/2017 09:31 PM - jortel@redhat.com**

- Description updated

**#3 - 12/13/2017 05:47 PM - jortel@redhat.com**

- Description updated

**#4 - 12/19/2017 08:56 PM - bmbouter**

- Description updated

I'm leaving out the cleanup of these records on purpose. For both RepositoryVersion and Publications, we'll need a crash-safe cleanup mechanism. I plan to write that up in a separate ticket.

It also leaves out any validation of a Distribution in terms of only having ForeignKey relationships. If in the MVP a user associates a distribution with a Publication that has complete=False they can file a bug and we can fix it then.

**#5 - 01/19/2018 05:46 PM - amacdona@redhat.com**

- Subject changed from *Publishing task cannot start outer transaction. to Add complete field to Publication.*

- Parent task set to #3209

**#6 - 01/23/2018 08:22 PM - amacdona@redhat.com**

- Blocks Story #3295: *As a plugin writer, I have a tool that helps me write tasks that create Publications added*

**#7 - 01/26/2018 03:49 PM - amacdona@redhat.com**

- Description updated

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

Removed the items that have core code to set complete=True. Currently this is done by the plugin. When it is moved to pulpcore, it will be handled as part of <https://pulp.plan.io/issues/3295>

We also need to prevent Publications from being associated to Distributions, so I added a checklist item for the Distribution serializer.

**#8 - 01/26/2018 03:51 PM - amacdona@redhat.com**

- Description updated

**#9 - 01/26/2018 03:53 PM - amacdona@redhat.com**

- Description updated

<https://pulp.plan.io/issues/3295>

**#10 - 01/26/2018 10:10 PM - jortel@redhat.com**

- Description updated

**#11 - 01/26/2018 10:31 PM - jortel@redhat.com**

- Related to Task #3323: Refit to use the Publication (Facade) added

**#12 - 01/29/2018 03:38 PM - milan**

- Status changed from NEW to ASSIGNED

- Assignee set to milan

**#13 - 01/30/2018 02:22 PM - milan**

## Design decisions

The complete attribute of a Publication shall not be exposed thru any view; the API consumer won't, for instance, be able to filter Publications based on this attribute.

The complete attribute shall not be propagated thru the PublicationSerializer either to avoid confusing the API consumer.

**#14 - 01/30/2018 03:26 PM - jortel@redhat.com**

- Sprint/Milestone set to 54

**#15 - 01/30/2018 03:33 PM - milan**

- Status changed from ASSIGNED to POST

- Sprint/Milestone deleted (54)

Just pushed a first revision of a patch: <https://github.com/pulp/pulp/pull/3299>

**#16 - 01/30/2018 03:33 PM - milan**

- Sprint/Milestone set to 54

**#17 - 02/05/2018 04:39 PM - milan**

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [pulp025991f003237f99ad6fa87aba1bdaf1fe1f1cd1](https://pulp.plan.io/changeset/pulp025991f003237f99ad6fa87aba1bdaf1fe1f1cd1).

**#18 - 03/09/2018 12:32 AM - bmbouter**

- Sprint set to Sprint 32

**#19 - 03/09/2018 12:33 AM - bmbouter**

- Sprint/Milestone deleted (54)

**#20 - 04/19/2018 05:12 PM - dkliban@redhat.com**

- *Sprint/Milestone set to 3.0.0*

**#21 - 04/26/2019 10:37 PM - bmbouter**

- *Tags deleted (Pulp 3, Pulp 3 MVP)*

**#22 - 12/13/2019 06:10 PM - bmbouter**

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*