

## Pulp - Task #2298

Task # 1873 (CLOSED - CURRENTRELEASE): Plan REST API for 3.0

### Add serializer for the repository models.

09/30/2016 09:00 PM - jortel@redhat.com

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	amacdona@redhat.com	<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>	3.0.0	<b>Sprint:</b>	Sprint 10
<b>Groomed:</b>	Yes	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	Yes		
<b>Description</b>			
Write a serializer for each model in repository.py.			
<b>Related issues:</b>			
Blocks Pulp - Task #2310: Add a Publisher ViewSet			<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Task #2309: Add a Importer ViewSet			<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Task #2308: Add a RepositoryGroup ViewSet			<b>CLOSED - CURRENTRELEASE</b>
Blocks Pulp - Task #2307: Add a Repository ViewSet			<b>CLOSED - CURRENTRELEASE</b>
Copied to Pulp - Task #2299: Add serializer for the content models.			<b>CLOSED - CURRENTRELEASE</b>

#### Associated revisions

##### Revision 4ff2756e - 10/10/2016 09:46 PM - Austin Macdonald

Finish Repository serializer

Add remaining fields and move filter\_fields back to ViewSet.

closes #2298

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##### Revision a7979bae - 11/09/2016 12:05 PM - ttereshc

Add RepositoryGroup serializer

re #2298 <https://pulp.plan.io/issues/2298>

##### Revision a7979bae - 11/09/2016 12:05 PM - ttereshc

Add RepositoryGroup serializer

re #2298 <https://pulp.plan.io/issues/2298>

**Revision 632f0e23 - 11/11/2016 08:36 PM - ttereshc**

Add Publisher serializer

re #2298 <https://pulp.plan.io/issues/2298>

**Revision 632f0e23 - 11/11/2016 08:36 PM - ttereshc**

Add Publisher serializer

re #2298 <https://pulp.plan.io/issues/2298>

**Revision c7b871bc - 12/08/2016 02:18 PM - Austin Macdonald**

Add remaining fields to Importer Serializer

re #2298

**Revision c7b871bc - 12/08/2016 02:18 PM - Austin Macdonald**

Add remaining fields to Importer Serializer

re #2298

## History

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**#1 - 09/30/2016 09:02 PM - jortel@redhat.com**

- Copied to Task #2299: Add serializer for the content models. added

**#2 - 09/30/2016 09:17 PM - amacdona@redhat.com**

- Blocks Task #2310: Add a Publisher ViewSet added

**#3 - 09/30/2016 09:18 PM - amacdona@redhat.com**

- Blocks Task #2309: Add a Importer ViewSet added

**#4 - 09/30/2016 09:18 PM - amacdona@redhat.com**

- Blocks Task #2308: Add a RepositoryGroup ViewSet added

**#5 - 09/30/2016 09:18 PM - amacdona@redhat.com**

- Blocks Task #2307: Add a Repository ViewSet added

**#6 - 09/30/2016 10:23 PM - amacdona@redhat.com**

- Groomed changed from No to Yes

**#7 - 09/30/2016 10:36 PM - semyers**

This task cannot be started until the documentation written in [#1873](#) is merged to 3.0-dev.

**#8 - 10/03/2016 03:40 PM - mhrivnak**

- Sprint/Milestone set to 27

**#9 - 10/03/2016 04:02 PM - semyers**

This task should be considered complete when all serializers for a given models module are defined in a corresponding serializers module.

The serializers defined should expose fields "native" (defined directly on a model or in its superclasses) to the model being represented, including Generic Key/Value types (Config/Notes/Scratchpad). Relations to other models should be included where possible, but the available serializer base classes and fields may be insufficient, so only the "native" fields should be required.

This task is among several similar tasks to stub out serializers for our existing models. Please spread the work around so we gain more team-wide knowledge around these serializers. If you have any questions, ask me. Common issues and their resolutions will be added to the pulp 3.0 rest-api development guide.

**#10 - 10/10/2016 04:52 PM - amacdonga@redhat.com**

- Status changed from NEW to ASSIGNED

- Assignee set to amacdonga@redhat.com

**#11 - 10/10/2016 09:51 PM - amacdonga@redhat.com**

- Status changed from ASSIGNED to POST

<https://github.com/pulp/pulp/pull/2782>

**#12 - 10/10/2016 10:41 PM - Anonymous**

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset <pulp4ff2756e1de7a66ac303747a2b34bcdd9cd230f9>.

**#13 - 10/12/2016 08:12 PM - amacdonga@redhat.com**

- Status changed from MODIFIED to ASSIGNED

PR was only for repository model, the story is for all models in the repos module, resetting to assigned.

**#14 - 10/24/2016 04:28 PM - jortel@redhat.com**

- Sprint/Milestone changed from 27 to 28

**#15 - 11/02/2016 01:54 PM - ttereshc**

Is the following correct?

- We do not need serializer for [ContentAdaptor model](#) because its fields will be serialized in Importer/Publisher serializers.
- We do not need serializer for [RepositoryContent model](#) because we won't access this model directly, it is a through model. We are going to set relations specified in it via ContentViewset and read this info via RepositoryViewset or ContentViewset.

**#16 - 11/02/2016 03:24 PM - semyers**

ttereshc wrote:

Is the following correct?

- We do not need serializer for [ContentAdaptor model](#) because its fields will be serialized in Importer/Publisher serializers.

Maybe true! If it's useful to create an abstract ContentAdaptor to define the fields that should be included on all Model subclasses, though, then it makes sense to create a similar serializer that only gets used abstractly by all ContentAdaptorSerializer subclasses. Since all ContentAdaptors have

at least a name and 0 or more related repositories, I think it may be worthwhile to have a ContentAdaptorSerializer.

- We do not need serializer for [RepositoryContent model](#) because we won't access this model directly, it is a through model. We are going to set relations specified in it via ContentViewset and read this info via RepositoryViewset or ContentViewset.

I'm not really sure how best to handle this. I have some ideas, I think Austin has some other ideas, but I think the best thing right now might be to leave it out, and figure out how to work in the timestamp stored on this through model later. From an API standpoint, I think we definitely want to be able to filter repository content by this timestamp, and we'll definitely want to include it in some view, somewhere. I'm just not sure about the specifics, and think this is an easy enough one to do that we can avoid having to do it right now.

**#17 - 11/02/2016 04:47 PM - ttereshc**

Since all ContentAdaptors have at least a name and 0 or more related repositories, I think it may be worthwhile to have a ContentAdaptorSerializer.

I agreed initially but now I am thinking that maybe it makes sense to have those common fields specified in each ContentAdaptor, this way we will be able to be more specific in the `help\_text`: "name of the importer" or "name of the publisher" rather than just "name of the content adaptor". So I will leave this one as well. It should be very easy to create it and refactor importer/publisher later if needed.

**#18 - 11/02/2016 11:25 PM - ttereshc**

- Status changed from ASSIGNED to POST

Importer serializer <https://github.com/pulp/pulp/pull/2806>  
Publisher serializer <https://github.com/pulp/pulp/pull/2808>  
RepositoryGroup serializer <https://github.com/pulp/pulp/pull/2813>

**#19 - 12/13/2016 08:29 PM - amadonna@redhat.com**

- Status changed from POST to MODIFIED

- Platform Release set to 3.0.0

**#20 - 03/08/2018 08:12 PM - bmbouter**

- Sprint set to Sprint 10

**#21 - 03/08/2018 08:13 PM - bmbouter**

- Sprint/Milestone deleted (28)

**#22 - 04/25/2019 06:47 PM - daviddavis**

- *Sprint/Milestone set to 3.0.0*

**#23 - 04/26/2019 10:39 PM - bmbouter**

- *Tags deleted (Pulp 3)*

**#24 - 12/13/2019 06:10 PM - bmbouter**

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*