

Pulp - Task #2091

Create a plan for the REST API in 3.0

07/20/2016 05:20 AM - mhrivnak

Status:	CLOSED - DUPLICATE	Start date:	
Priority:	Normal	Due date:	
Assignee:	semyers	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.0.0	Tags:	
Platform Release:		Sprint:	
Groomed:	No	Quarter:	
Sprint Candidate:	Yes		
Description			
There seems to be agreement on using the django rest framework. These questions need to be answered:			
<ul style="list-style-type: none">• Which version and why?• How do we communicate to developers how to document the REST API?• How will docs get built and distributed?• How will search work, and how will we determine which fields to make searchable on each model?• What is the best option for auto-generating client libraries?			
Below are notes from the team:			
Q: Will we definitely use django-rest-framework (DRF)? What version?			
Yes. The latest version of DRF supports Django 1.8+, is not packaged in Fedora, and is currently a t major version 3 (3.4.0). This is the version we should target.			
Q: How will docs be generated?			
Docs for API endpoints are generated using the docstring of the View class that provides that endpoint. Visiting the endpoint using a browser will render the docs, and DRF also works with swagger and other API docs generation tools to put all the docs in a single browseable place.			
http://www.django-rest-framework.org/topics/documenting-your-api/			
Q: How will search work? How will we ensure we meet user needs?			
Investigation is still needed here. Assuming that we don't really need full-blown "full text" search with stemming features, we can likely get everything we need using the django-filter plugin, which DRF supports.			
https://django-filter.readthedocs.io/en/latest/			
http://www.django-rest-framework.org/api-guide/filtering/#djangofilterbackend			
Q: Can we auto-generate a client library or similar?			
This is a major feature that came with DRF 3.4:			
http://www.django-rest-framework.org/topics/3.4-announcement/#schemas-client-libraries			
http://www.django-rest-framework.org/topics/api-clients/#client-side-core-api			
Related issues:			
Is duplicate of Pulp - Task #1873: Plan REST API for 3.0		CLOSED - CURRENTRELEASE	

History

#1 - 07/20/2016 05:22 AM - mhrivnak

- Blocked by Task #2090: Create a plan for user/auth in 3.0 added

#2 - 08/10/2016 06:32 PM - semyers

- Status changed from NEW to ASSIGNED

- Assignee set to semyers

- Tags Pulp 3 added

#3 - 08/11/2016 02:59 PM - semyers

- Is duplicate of Task #1873: Plan REST API for 3.0 added

#4 - 08/11/2016 04:24 PM - mhrivnak

- Blocked by deleted (Task #2090: Create a plan for user/auth in 3.0)

#5 - 08/11/2016 04:25 PM - mhrivnak

- Status changed from ASSIGNED to CLOSED - DUPLICATE

#6 - 04/25/2019 06:47 PM - daviddavis

- Sprint/Milestone set to 3.0.0

#7 - 04/26/2019 10:40 PM - bmbouter

- Tags deleted (Pulp 3)