

## Python Support - Task #3579

### Publish REST API bindings for Python on PyPI

04/19/2018 02:42 PM - dkliban@redhat.com

<b>Status:</b> NEW	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0:00 hour
<b>Sprint/Milestone:</b>	<b>QA Contact:</b>
<b>Platform Release:</b>	<b>Complexity:</b>
<b>Blocks Release:</b>	<b>Smash Test:</b>
<b>Target Release - Python:</b>	<b>Verified:</b> No
<b>Backwards Incompatible:</b> No	<b>Verification Required:</b> No
<b>Groomed:</b> Yes	<b>Sprint:</b>
<b>Sprint Candidate:</b> No	
<b>Tags:</b>	

**Description**

With help from [swagger-codegen](#)<sup>0</sup>, Pulp's API schema can be used to generate bindings in many different languages.

I was able to GET the schema in JSON format from <http://localhost:8000/api/v3/docs/api.json> and then uploaded the JSON file to [swagger editor](#)<sup>1</sup>. I then clicked on "Generate Client" and selected "Python". This produced a ZIP archive that contained a python package with the bindings and documentation.

The hosted solution is backed by a Java application called [swagger-codegen](#)<sup>2</sup>. The goal of this task is to use [swagger-codegen](#) to generate a package called `pulpcore-api-bindings` and upload it to PyPI. The version should be the same as the version of `pulpcore` that was used to generate the bindings.

[0] <https://swagger.io/swagger-codegen/>  
[1] <http://editor.swagger.io/#/>  
[2] <https://github.com/swagger-api/swagger-codegen>

**Related issues:**

Copied to Pulp - Task #3580: Document how to generate REST API bindings using... **CLOSED - COMPLETE**

#### History

#1 - 04/19/2018 02:43 PM - dkliban@redhat.com

- Tracker changed from Issue to Task

- % Done set to 0

#2 - 04/19/2018 02:44 PM - dkliban@redhat.com

- Description updated

#3 - 04/19/2018 03:10 PM - bizhang

Would this be used for generating a CLI or is there some other value being proposed from this? Who is the intended audience of this binding?

#4 - 04/19/2018 03:14 PM - dkliban@redhat.com

This package will be used to build a CLI for Pulp 3. However, this is not actually the CLI.

I am filing a separate task to publish bindings for Ruby on [rubygems.org](#). That package will be recommended to Katello.

**#5 - 04/19/2018 03:23 PM - bizhang**

- Groomed changed from No to Yes

Oh nice the generated package comes with its own setup.py and everything,

**#6 - 04/19/2018 03:44 PM - dkliban@redhat.com**

- Copied to Task #3580: Document how to generate REST API bindings using swagger-codegen added

**#7 - 04/19/2018 03:45 PM - dkliban@redhat.com**

- Description updated

**#8 - 05/11/2018 03:55 PM - ttereshc**

- Sprint set to Sprint 37

**#9 - 06/01/2018 11:13 PM - rchan**

- Sprint deleted (Sprint 37)

This item won't be moving forward to Sprint 38.

**#10 - 06/26/2018 03:49 PM - rchan**

- Sprint Candidate changed from Yes to No

**#11 - 04/26/2019 10:35 PM - bmbouter**

- Tags deleted (Pulp 3)

**#12 - 09/13/2019 05:13 PM - bmbouter**

- Project changed from Pulp to Python Support

- Sprint/Milestone deleted (3.0)