

## Pulp - Issue #3705

### Asynchronous updates to list objects does not work

05/25/2018 10:41 PM - bizhang

<b>Status:</b> MODIFIED	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> bizhang	<b>Estimated time:</b> 0:00 hour
<b>Category:</b>	
<b>Sprint/Milestone:</b> 3.0	
<b>Severity:</b> 2. Medium	<b>Sprint Candidate:</b> No
<b>Version:</b>	<b>Tags:</b>
<b>Platform Release:</b>	<b>QA Contact:</b>
<b>Blocks Release:</b>	<b>Complexity:</b>
<b>OS:</b>	<b>Smash Test:</b>
<b>Backwards Incompatible:</b> No	<b>Verified:</b> No
<b>Triaged:</b> Yes	<b>Verification Required:</b> No
<b>Groomed:</b> No	<b>Sprint:</b> Sprint 37
<b>Description</b>	
<p>When I try to update a python project: <code>`http PATCH \$REMOTE_HREF name='foo' projects=[{"name":"pip-tools", "version_specifier": "&gt;=1.12, &lt;=2.0"}]`</code></p> <p><code>`projects`</code> always gets passed into <code>`PythonRemoteSerializer.update()`</code> as <code>`[]`</code></p> <p>Tracing through the code shows that we take the data and pass it to a QueryDict before passing it to a serializer: <a href="https://github.com/pulp/pulp/blob/3.0-dev/pulpcore/pulpcore/app/tasks/base.py#L32">https://github.com/pulp/pulp/blob/3.0-dev/pulpcore/pulpcore/app/tasks/base.py#L32</a></p> <p>Talking with @dkliban, this is done because there is some code that checks if it was a form submission from the browsable API or if it came from the rest API directly and not having the querydict there was causing it to think it was a form submission. A regular dictionary was making it always think it was a form submission.</p> <p>But with this QueryDict, drf thinks list data is an HTML Input [ <a href="https://github.com/encode/django-rest-framework/blob/master/rest_framework/serializers.py#L603">https://github.com/encode/django-rest-framework/blob/master/rest_framework/serializers.py#L603</a> ] because the QueryDict has a <code>getlist</code> attribute on it [ <a href="https://github.com/encode/django-rest-framework/blob/master/rest_framework/utils/html.py#L9">https://github.com/encode/django-rest-framework/blob/master/rest_framework/utils/html.py#L9</a> ]</p> <p>And <code>parse_html_list</code> returns an empty list on this data.</p>	

#### Associated revisions

##### Revision 8302f6c9 - 05/31/2018 08:11 PM - werwty

Stop creating QueryDict for async update data

I could not find any async updates that breaks with this change. Smash also passes cleanly. I suspect breakage might have occurred when we had more complex nested relationships.

closes #3705  
<https://pulp.plan.io/issues/3705>

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## **History**

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### **#1 - 05/25/2018 11:10 PM - amacdona@redhat.com**

@dkliban, if we dropped the browsable interface, could we drop the QueryDict?

### **#2 - 05/29/2018 04:09 PM - amacdona@redhat.com**

- *Subject changed from Updates to list objects does not work to Asynchronous updates to list objects does not work*

### **#3 - 05/29/2018 04:40 PM - CodeHeeler**

- *Triaged changed from No to Yes*

- *Sprint set to Sprint 37*

### **#4 - 05/30/2018 04:26 AM - bizhang**

- *Status changed from NEW to ASSIGNED*

- *Assignee set to bizhang*

### **#5 - 05/31/2018 07:39 PM - bizhang**

- *Status changed from ASSIGNED to POST*

PR: <https://github.com/pulp/pulp/pull/3510>

### **#6 - 05/31/2018 09:02 PM - werwty**

- *Status changed from POST to MODIFIED*

Applied in changeset [pulp8302f6c979d1cec24af7f1a633b2706ffda943a2](https://pulp.plan.io/changeset/pulp8302f6c979d1cec24af7f1a633b2706ffda943a2).

### **#7 - 04/25/2019 06:45 PM - daviddavis**

- *Sprint/Milestone set to 3.0*

**#8 - 04/26/2019 10:35 PM - bmbouter**

- *Tags deleted (Pulp 3)*