

Pulp - Issue #8954

Using form data doesn't set labels

06/23/2021 03:21 PM - daviddavis

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	Imjachky	Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	3.15.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	
Version:		Sprint:	Sprint 100
Platform Release:		Quarter:	
OS:			
Triaged:	Yes		

Description

When setting pulp_labels using a request that sends form data, pulp_labels aren't getting set:

```
$ http --form -p b POST :/pulp/api/v3/remotes/file/file/ name=$RANDOM pulp_labels={"environment": "dev"} url='http://test'
{
  "ca_cert": null,
  "client_cert": null,
  "connect_timeout": null,
  "download_concurrency": null,
  "headers": null,
  "max_retries": null,
  "name": "11512",
  "policy": "immediate",
  "proxy_url": null,
  "pulp_created": "2021-06-23T13:08:15.205770Z",
  "pulp_href": "/pulp/api/v3/remotes/file/file/9882755c-adf5-472f-ad13-b0c9728d1eb2/",
  "pulp_labels": {},
  "pulp_last_updated": "2021-06-23T13:08:15.205796Z",
  "rate_limit": null,
  "sock_connect_timeout": null,
  "sock_read_timeout": null,
  "tls_validation": false,
  "total_timeout": null,
  "url": "http://test"
}
```

This works though:

```
http -p b POST :/pulp/api/v3/remotes/file/file/ name=$RANDOM pulp_labels:="{\"environment\": \"dev\"}" url='http://test'
```

Not sure what the difference is. At the very least, we should probably be raising an error if the format is incorrect.

Related issues:

Related to Pulp - Backport #9058: Backport 8954 "using form data doesn't set ...

CLOSED - CURRENTRELEASE

Associated revisions

Revision 3bc707ad - 07/12/2021 09:34 PM - Lubos Mjachky

Replace DictField with JSONField

closes #8954

History

#1 - 06/23/2021 03:59 PM - daviddavis

- Description updated

#2 - 06/29/2021 04:52 PM - dkliban@redhat.com

- Triaged changed from No to Yes

- Sprint set to Sprint 99

#3 - 07/02/2021 09:23 PM - rchan

- Sprint changed from Sprint 99 to Sprint 100

#4 - 07/07/2021 05:34 PM - Imjachky

- Status changed from NEW to ASSIGNED

- Assignee set to Imjachky

#5 - 07/09/2021 02:55 PM - Imjachky

It looks like rest_framework does not support dictionary form input (https://github.com/encode/django-rest-framework/blob/71e6c30034a1dd35a39ca74f86c371713e762c79/rest_framework/templates/rest_framework/inline/dict_field.html#L8) in the web UI. Furthermore, once the framework determines that a user passed data via an HTML form, it still tries to parse the data by searching for a regex match (https://github.com/encode/django-rest-framework/blob/71e6c30034a1dd35a39ca74f86c371713e762c79/rest_framework/utils/html.py#L69-L95). But, this approach will never find a match for pulp_labels because the method searches for keys like pulp_labels.xyz, in our case pulp_labels.environment. Such a key is considered always invalid:

```
{
  "pulp_labels.environment": [
    "Unexpected field"
  ]
}
```

The solution is to replace DictField (<https://github.com/pulp/pulpcore/blob/3ca47373e4a33965da362e76bc269640f8dc6925/pulpcore/app/serializers/fields.py#L380>) with JSONField.

#6 - 07/09/2021 03:46 PM - pulpbot

- Status changed from ASSIGNED to POST

PR: <https://github.com/pulp/pulpcore/pull/1474>

#7 - 07/10/2021 06:21 AM - dalley

- Related to Backport #9058: Backport 8954 "using form data doesn't set labels" to 3.14.z added

#8 - 07/10/2021 06:23 AM - dalley

- Sprint/Milestone set to 3.14.2

#9 - 07/12/2021 09:34 PM - Anonymous

- Status changed from POST to MODIFIED

Applied in changeset [pulpcore!3bc707ad6aab45d76f06abab7ed0870049cc28f8](https://github.com/pulp/pulpcore/commit/3bc707ad6aab45d76f06abab7ed0870049cc28f8).

#10 - 07/13/2021 05:16 PM - ipanova@redhat.com

- Sprint/Milestone changed from 3.14.2 to 3.15.0

#11 - 08/26/2021 02:35 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE