

Container Support - Story #4657

As a user i can use skopeo pulp transport to upload images to Pulp container registry

04/09/2019 04:10 PM - ipanova@redhat.com

Status:	NEW	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Tags:	
Platform Release:		Sprint:	
Groomed:	No	Quarter:	
Sprint Candidate:	No		

Description

In order to write a pulp transport in skopeo we need to provide endpoints skopeo will access.

Put the manifest identified by name and reference where reference can be a tag or digest.

```
PUT /v2/<name>/manifests/<reference>
Host: <registry host>
Authorization: <scheme> <token>
Content-Type: <media type of manifest>
```

```
{
  "name": <name>,
  "tag": <tag>,
  "fsLayers": [
    {
      "blobSum": "<digest>"
    },
    ...
  ],
  "history": <v1 images>,
  "signature": <JWS>
}
```

Initiate a blob upload. This endpoint can be used to create resumable uploads or monolithic uploads.

For monolithic uploads

```
POST /v2/<name>/blobs/uploads/?digest=<digest>
Host: <registry host>
Authorization: <scheme> <token>
Content-Length: <length of blob>
Content-Type: application/octet-stream
```

<binary data>

For resumable uploads

```
POST /v2/<name>/blobs/uploads/
Host: <registry host>
Authorization: <scheme> <token>
Content-Length: 0
```

If successful, an upload location will be provided to complete the upload. Optionally, if the digest parameter is present, the request body will be used to complete the upload in a single request.

More info on what we should expect in the headers as well as what we need to return is documented here

<https://docs.docker.com/registry/spec/api/#manifest>
<https://docs.docker.com/registry/spec/api/#initiate-blob-upload>

Related issues:

Related to Container Support - Story #5027: As a user, I can 'docker push' to...

CLOSED - CURRENTRELEASE

History

#1 - 04/09/2019 04:11 PM - ipanova@redhat.com

- Tags Pulp 3 added

#2 - 04/24/2019 02:45 AM - dkliban@redhat.com

We should definitely add the ability for users to perform the POST and PUT requests in the description. Since these APIs are used to add content to Pulp, it is most appropriate to add them to pulp-api (port 24817) using ViewSets and Serializers. The registry read APIs should continue to be served by the pulp-content-app (port 24816).

#3 - 04/26/2019 10:30 PM - bmbouter

- Tags deleted (Pulp 3)

#4 - 08/08/2019 11:37 AM - ipanova@redhat.com

- Related to Story #5027: As a user, I can 'docker push' to a Pulp repository added

#5 - 11/20/2019 07:15 PM - ipanova@redhat.com

- Project changed from Docker Support to Container Support