

## Migration Plugin - Story #5178

Story # 3821 (CLOSED - CURRENTRELEASE): As a user, I can migrate from Pulp 2 to Pulp 3

### As a user, a Migration Plan is validated

07/24/2019 10:50 AM - ttereshc

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	ipanova@redhat.com	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>	0.1.0	<b>Tags:</b>	
<b>Platform Release:</b>		<b>Sprint:</b>	Sprint 58
<b>Groomed:</b>	Yes	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	Yes		

**Description**

Users can submit a Migration Plan in JSON format.  
The structure of the JSON as well as values in it need to be validated:

- check that structure is correct and only expected fields are present
- check that pulp2 plugins which need to be migrated and corresponding pulp 3 plugins are installed
- optionally check resources a Migration Plan refers to ( if a plugin exists in Pulp2, if resources exist in Pulp 2).

Consider using <https://github.com/Julian/jsonschema> which is among recommended project for JSON schema validation  
<https://json-schema.org/implementations.html#validators>

Example of a Migration Plan

```
{
  "plugins": [
    {
      "type": "iso", # it should be a pulp2 type
      "protection": true, # migrate any content protection available for all repos
      "repositories" : [
        {
          "name": "foo",
          "pulp2_repository_id": "my_repo_id to use to find an importer to migrate" # optional?
          "repository_versions": [
            {
              "pulp2_repository_id": "idA",
              "distributor_ids": ["distributor_id1", "distributor_id2"] # optional?
              "protection": ["distributor_id1"] # content protection migration is only needed
for the specfied distributor(s)
            },
            {
              "pulp2_repository_id": "idB",
              "distributor_ids": ["distributor_id3"]
            }
          ]
        }
      ]
    },
    {
      "type": "docker",
    }
  ]
}
```

For use cases and examples of a Migration Plan, see <https://etherpad.net/p/pulp-2to3-migration>

### Associated revisions

**Revision f1522ac8 - 08/28/2019 11:50 AM - ipanova@redhat.com**

As a user, a Migration Plan is validated.

closes #5178 <https://pulp.plan.io/issues/5178>

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## History

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**#1 - 07/24/2019 10:53 AM - ttereshc**

- Description updated

**#2 - 07/24/2019 01:21 PM - ttereshc**

- Description updated

**#3 - 07/24/2019 01:44 PM - dkliban@redhat.com**

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

- Sprint set to Sprint 56

**#4 - 08/02/2019 03:15 PM - rchan**

- Sprint changed from Sprint 56 to Sprint 57

**#5 - 08/06/2019 12:23 PM - ttereshc**

- Parent task set to #3821

**#6 - 08/07/2019 05:26 PM - ttereshc**

- Description updated

**#7 - 08/12/2019 02:32 PM - ipanova@redhat.com**

- Status changed from NEW to ASSIGNED

- Assignee set to ipanova@redhat.com

**#8 - 08/16/2019 03:45 PM - ttereshc**

- Description updated

**#9 - 08/16/2019 03:55 PM - ttereshc**

- Description updated

**#10 - 08/20/2019 06:08 PM - ipanova@redhat.com**

- Status changed from ASSIGNED to POST

<https://github.com/pulp/pulp-2to3-migrate/pull/10/>

**#11 - 08/26/2019 04:32 PM - rchan**

- Sprint changed from Sprint 57 to Sprint 58

**#12 - 09/13/2019 12:13 PM - ipanova@redhat.com**

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset commit:pulp-2to3-migrate|f1522ac8a405b90cf9712702665eba451314c262.

**#13 - 12/13/2019 05:03 PM - bmbouter**

- *Sprint/Milestone set to 3.0.0*

**#14 - 12/13/2019 06:28 PM - bmbouter**

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*

**#15 - 01/14/2020 05:38 PM - ttereshc**

- *Project changed from Pulp to Migration Plugin*

- *Sprint/Milestone deleted (3.0.0)*

**#16 - 01/14/2020 05:55 PM - ttereshc**

- *Status changed from CLOSED - CURRENTRELEASE to MODIFIED*

**#17 - 03/25/2020 09:37 AM - ttereshc**

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*

- *Sprint/Milestone set to 0.1.0*