

## Migration Plugin - Issue #7489

### "No declared artifact with relative path" when migrating from Pulp 2 to Pulp 3

09/09/2020 10:35 PM - iballou

|                          |                         |                          |           |
|--------------------------|-------------------------|--------------------------|-----------|
| <b>Status:</b>           | CLOSED - CURRENTRELEASE | <b>Start date:</b>       |           |
| <b>Priority:</b>         | Normal                  | <b>Due date:</b>         |           |
| <b>Assignee:</b>         | ttereshc                | <b>Estimated time:</b>   | 0:00 hour |
| <b>Category:</b>         |                         | <b>Sprint Candidate:</b> | No        |
| <b>Sprint/Milestone:</b> | 0.4.0                   | <b>Tags:</b>             | Katello   |
| <b>Severity:</b>         | 2. Medium               | <b>Sprint:</b>           | Sprint 81 |
| <b>Platform Release:</b> |                         | <b>Quarter:</b>          |           |
| <b>OS:</b>               |                         |                          |           |
| <b>Triaged:</b>          | Yes                     |                          |           |
| <b>Groomed:</b>          | No                      |                          |           |

#### Description

I hit this when migrating the following repos:

CentOS 7 RPMs CentOS 8 AppStream CentOS 8 BaseOS RHEL 8 AppStream RHEL 8 BaseOS

There was also 1 container repo and 1 file repo but those are not related I suspect.

From past bugs I suspect the RHEL 8 repos are the culprit. Previous syncing bug with same error:

#### Task info:

```
{"pulp_tasks"=>
  [{"pulp_href"=>"/pulp/api/v3/tasks/597a0881-ad9c-4635-b4e2-98f85746c376/",
    "pulp_created"=>"2020-09-09T19:45:56.126+00:00",
    "state"=>"failed",
    "name"=>"pulp_2to3_migration.app.tasks.migrate.migrate_from_pulp2",
    "started_at"=>"2020-09-09T19:45:56.269+00:00",
    "finished_at"=>"2020-09-09T19:56:49.218+00:00",
    "error"=>
      {"traceback"=>
        " File \"/usr/lib/python3.6/site-packages/rq/worker.py", line 883, in perform_job\n" +
        "   rv = job.perform()\n" +
        " File \"/usr/lib/python3.6/site-packages/rq/job.py", line 657, in perform\n" +
        "   self._result = self._execute()\n" +
        " File \"/usr/lib/python3.6/site-packages/rq/job.py", line 663, in _execute\n" +
        "   return self.func(*self.args, **self.kwargs)\n" +
        " File \"/usr/lib/python3.6/site-packages/pulp_2to3_migration/app/tasks/migrate.py", line
141, in migrate_from_pulp2\n" +
        "   migrate_content(plan)\n" +
        " File \"/usr/lib/python3.6/site-packages/pulp_2to3_migration/app/migration.py", line 36,
in migrate_content\n" +
        "   plugin.migrator.migrate_content_to_pulp3()\n" +
        " File \"/usr/lib/python3.6/site-packages/pulp_2to3_migration/app/plugin/rpm/migrator.py"
, line 141, in migrate_content_to_pulp3\n" +
        "   loop.run_until_complete(dm.create())\n" +
        " File \"/usr/lib64/python3.6/asyncio/base_events.py", line 484, in run_until_complete\n"
+
        "   return future.result()\n" +
        " File \"/usr/lib/python3.6/site-packages/pulp_2to3_migration/app/plugin/content.py", lin
e 86, in create\n" +
        "   await pipeline\n" +
        " File \"/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/api.py", line 225, in cr
eate_pipeline\n" +
        "   await asyncio.gather(*futures)\n" +
        " File \"/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/api.py", line 43, in __c
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all__\n" +
    "    await self.run()\n" +
    "    File \"/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/artifact_stages.py\", lin
e 244, in run\n" +
    "        RemoteArtifact.objects.bulk_get_or_create(self._needed_remote_artifacts(batch))\n" +
    "    File \"/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/artifact_stages.py\", lin
e 288, in _needed_remote_artifacts\n" +
    "        msg.format(rp=content_artifact.relative_path, c=d_content.content)\n",
    "description"=>
    "No declared artifact with relative path \"repodata/a22b89e3-765e-45bf-97f0-60e53435f3e5\"
for content \"\""},
"worker"=>"/pulp/api/v3/workers/c2ab7f57-5c17-4f3c-b0d9-071ca78cce21/",
"child_tasks"=>[],
"task_group"=>
"/pulp/api/v3/task-groups/70d63d76-6dad-4f99-b1c4-51977ee6d7f4/",
"progress_reports"=>
[{"message"=>
    "Pre-migrating Pulp 2 PACKAGE_ENVIRONMENT content (detail info)",
    "code"=>"premigrating.content.detail",
    "state"=>"completed",
    "total"=>24,
    "done"=>24},
{"message"=>"Pre-migrating Pulp 2 SRPM content (general info)",
    "code"=>"premigrating.content.general",
    "state"=>"completed",
    "total"=>0,
    "done"=>0},
{"message"=>"Processing Pulp 2 repositories, importers, distributors",
    "code"=>"processing.repositories",
    "state"=>"completed",
    "total"=>7,
    "done"=>7},
{"message"=>"Pre-migrating Pulp 2 ISO content (general info)",
    "code"=>"premigrating.content.general",
    "state"=>"completed",
    "total"=>250,
    "done"=>250},
{"message"=>"Pre-migrating Pulp 2 ISO content (detail info)",
    "code"=>"premigrating.content.detail",
    "state"=>"completed",
    "total"=>250,
    "done"=>250},
{"message"=>"Pre-migrating Pulp 2 DOCKER_BLOB content (general info)",
    "code"=>"premigrating.content.general",
    "state"=>"completed",
    "total"=>571,
    "done"=>571},
{"message"=>"Pre-migrating Pulp 2 DOCKER_BLOB content (detail info)",
    "code"=>"premigrating.content.detail",
    "state"=>"completed",
    "total"=>571,
    "done"=>571},
{"message"=>"Pre-migrating Pulp 2 SRPM content (detail info)",
    "code"=>"premigrating.content.detail",
    "state"=>"completed",
    "total"=>0,
    "done"=>0},
{"message"=>
    "Pre-migrating Pulp 2 YUM_REPO_METADATA_FILE content (general info)",
    "code"=>"premigrating.content.general",
    "state"=>"completed",
    "total"=>2,
    "done"=>2},
{"message"=>
    "Pre-migrating Pulp 2 DOCKER_MANIFEST content (general info)",
    "code"=>"premigrating.content.general",
    "state"=>"completed",

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"total"=>427,
"done"=>427},
{"message"=>"Pre-migrating Pulp 2 DOCKER_MANIFEST content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>427,
"done"=>427},
{"message"=>
  "Pre-migrating Pulp 2 YUM_REPO_METADATA_FILE content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>2,
"done"=>2},
{"message"=>"Pre-migrating Pulp 2 MODULEMD content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>269,
"done"=>269},
{"message"=>"Pre-migrating Pulp 2 MODULEMD content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>269,
"done"=>269},
{"message"=>"Pre-migrating Pulp 2 DISTRIBUTION content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>3,
"done"=>3},
{"message"=>
  "Pre-migrating Pulp 2 DOCKER_MANIFEST_LIST content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>57,
"done"=>57},
{"message"=>
  "Pre-migrating Pulp 2 DOCKER_MANIFEST_LIST content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>57,
"done"=>57},
{"message"=>"Pre-migrating Pulp 2 DISTRIBUTION content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>3,
"done"=>3},
{"message"=>"Pre-migrating Pulp 2 DOCKER_TAG content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>147,
"done"=>147},
{"message"=>"Pre-migrating Pulp 2 DOCKER_TAG content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>147,
"done"=>147},
{"message"=>"Creating repositories in Pulp 3",
"code"=>"creating.repositories",
"state"=>"completed",
"total"=>7,
"done"=>7},
{"message"=>"Pre-migrating Pulp 2 ERRATUM content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>1265,
"done"=>1265},
{"message"=>"Pre-migrating Pulp 2 ERRATUM content (detail info)",
"code"=>"premigrating.content.detail",

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"state"=>"completed",
"total"=>1265,
"done"=>1265},
{"message"=>"Pre-migrating Pulp 2 RPM content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>34325,
"done"=>34325},
{"message"=>"Pre-migrating Pulp 2 RPM content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>34325,
"done"=>34325},
{"message"=>
"Pre-migrating Pulp 2 MODULEMD_DEFAULTS content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>84,
"done"=>84},
{"message"=>
"Pre-migrating Pulp 2 MODULEMD_DEFAULTS content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>84,
"done"=>84},
{"message"=>
"Pre-migrating Pulp 2 PACKAGE_CATEGORY content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>29,
"done"=>29},
{"message"=>"Pre-migrating Pulp 2 PACKAGE_GROUP content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>274,
"done"=>274},
{"message"=>"Pre-migrating Pulp 2 PACKAGE_GROUP content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>274,
"done"=>274},
{"message"=>
"Pre-migrating Pulp 2 PACKAGE_LANGPACKS content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>1,
"done"=>1},
{"message"=>
"Pre-migrating Pulp 2 PACKAGE_LANGPACKS content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>1,
"done"=>1},
{"message"=>
"Pre-migrating Pulp 2 PACKAGE_CATEGORY content (detail info)",
"code"=>"premigrating.content.detail",
"state"=>"completed",
"total"=>29,
"done"=>29},
{"message"=>
"Pre-migrating Pulp 2 PACKAGE_ENVIRONMENT content (general info)",
"code"=>"premigrating.content.general",
"state"=>"completed",
"total"=>24,
"done"=>24},
{"message"=>"Migrating importers to Pulp 3",
"code"=>"migrating.importers",

```

```
"state"=>"completed",
"total"=>7,
"done"=>7},
{"message"=>"Migrating docker content to Pulp 3 docker_blob",
"code"=>"migrating.docker.content",
"state"=>"completed",
"total"=>571,
"done"=>571},
{"message"=>"Migrating docker content to Pulp 3 docker_manifest",
"code"=>"migrating.docker.content",
"state"=>"completed",
"total"=>427,
"done"=>427},
{"message"=>"Migrating docker content to Pulp 3 docker_manifest_list",
"code"=>"migrating.docker.content",
"state"=>"completed",
"total"=>57,
"done"=>57},
{"message"=>"Migrating docker content to Pulp 3 docker_tag",
"code"=>"migrating.docker.content",
"state"=>"completed",
"total"=>147,
"done"=>147},
{"message"=>"Migrating iso content to Pulp 3 iso",
"code"=>"migrating.iso.content",
"state"=>"completed",
"total"=>250,
"done"=>250},
{"message"=>"Migrating content to Pulp 3",
"code"=>"migrating.content",
"state"=>"failed",
"total"=>0,
"done"=>0},
{"message"=>"Migrating rpm content to Pulp 3 erratum",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>1265,
"done"=>1265},
{"message"=>"Migrating rpm content to Pulp 3 modulemd",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>269,
"done"=>269},
{"message"=>"Migrating rpm content to Pulp 3 modulemd_defaults",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>84,
"done"=>84},
{"message"=>"Migrating rpm content to Pulp 3 yum_repo_metadata_file",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>2,
"done"=>2},
{"message"=>"Migrating rpm content to Pulp 3 package_langpacks",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>1,
"done"=>1},
{"message"=>"Migrating rpm content to Pulp 3 package_group",
"code"=>"migrating.rpm.content",
"state"=>"canceled",
"total"=>274,
"done"=>274},
{"message"=>"Migrating rpm content to Pulp 3 rpm",
"code"=>"migrating.rpm.content",
"state"=>"completed",
"total"=>34325,
```

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"done"=>34325},
{"message"=>"Migrating rpm content to Pulp 3 srpm",
 "code"=>"migrating.rpm.content",
 "state"=>"completed",
 "total"=>0,
 "done"=>0},
{"message"=>"Migrating rpm content to Pulp 3 distribution",
 "code"=>"migrating.rpm.content",
 "state"=>"completed",
 "total"=>3,
 "done"=>2}],
"created_resources"=>
 ["/pulp/api/v3/task-groups/70d63d76-6dad-4f99-b1c4-51977ee6d7f4/"],
"reserved_resources_record"=>["pulp_2to3_migration"]}],
"task_groups"=>
 [{ "pulp_href"=>
  "/pulp/api/v3/task-groups/70d63d76-6dad-4f99-b1c4-51977ee6d7f4/",
  "description"=>"Migration Sub-tasks",
  "all_tasks_dispatched"=>false,
  "waiting"=>0,
  "skipped"=>0,
  "running"=>0,
  "completed"=>0,
  "canceled"=>0,
  "failed"=>1,
  "group_progress_reports"=>
  [{"message"=>"Repo version creation",
   "code"=>"create.repo_version",
   "total"=>0,
   "done"=>0},
   {"message"=>"Distribution creation",
    "code"=>"create.distribution",
    "total"=>0,
    "done"=>0}]]],
"poll_attempts"=>{"total"=>59, "failed"=>1}}
```

Exception:

```
Katello::Errors::Pulp3Error: No declared artifact with relative path "repodata/a22b89e3-765e-45bf-97f0-60e53435f3e5" for content ""
```

## Associated revisions

### Revision b10bfd20 - 09/17/2020 06:47 PM - ttereshc

Adjusted migration to set relative\_path for the RepoMetadataFile objects.

closes #7489 <https://pulp.plan.io/issues/7489>

### Revision b10bfd20 - 09/17/2020 06:47 PM - ttereshc

Adjusted migration to set relative\_path for the RepoMetadataFile objects.

closes #7489 <https://pulp.plan.io/issues/7489>

### Revision b10bfd20 - 09/17/2020 06:47 PM - ttereshc

Adjusted migration to set relative\_path for the RepoMetadataFile objects.

closes #7489 <https://pulp.plan.io/issues/7489>

## History

### #1 - 09/09/2020 10:36 PM - iballou

Similar bug from before: <https://pulp.plan.io/issues/5847>

### #2 - 09/09/2020 10:42 PM - iballou

Pulp packages:

python3-pulpcore-3.6.3-1.el7.noarch

python3-pulp-rpm-3.6.2-1.el7.noarch

python3-pulp-2to3-migration-0.3.0-1.el7.noarch

**#3 - 09/15/2020 01:57 PM - ttereshc**

- *Triaged changed from No to Yes*

- *Sprint set to Sprint 81*

**#4 - 09/16/2020 08:05 PM - ttereshc**

- *Status changed from NEW to ASSIGNED*

- *Assignee set to ttereshc*

**#5 - 09/18/2020 10:30 AM - ttereshc**

- *Status changed from ASSIGNED to MODIFIED*

Applied in changeset [pulp:pulp-2to3-migration|b10bfd205b29105fe8814a29176886e891496654](#).

**#6 - 10/07/2020 09:59 AM - ttereshc**

- *Sprint/Milestone set to 0.4.0*

**#7 - 10/07/2020 01:47 PM - pulpbot**

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*