

RPM Support - Issue #1556

Not able install rpm from an uploaded repo

01/19/2016 11:16 PM - pthomas@redhat.com

| | | | |
|--------------------------|-------------------------|--------------------------|-----------|
| Status: | CLOSED - CURRENTRELEASE | Start date: | |
| Priority: | High | Due date: | |
| Assignee: | semyers | Estimated time: | 0:00 hour |
| Category: | | Groomed: | No |
| Sprint/Milestone: | | Sprint Candidate: | No |
| Severity: | 3. High | Tags: | Pulp 2 |
| Version: | | Sprint: | |
| Platform Release: | 2.8.0 | Quarter: | |
| OS: | | | |
| Triaged: | Yes | | |

Description

Not able to install rpm from a repo with rpm uploaded and polished

1. Create a repo
2. Upload a rpm and publish the repo
3. Register a consumer/bind the repo to the the consumer
4. Run rpm install

```
[root@mgmt6 ~]# pulp-admin rpm consumer package install run --consumer-id mypulp -n pulp-dot
Install task created with id [ 1c306224-ef7e-4668-ace2-de40fea2b1bb ]

This command may be exited via ctrl+c without affecting the request.

Refresh Repository Metadata          [ OK ]
Downloading Packages                [ FAILED ]

Install Failed

[u'Errors were encountered while downloading packages.',
u'pulp-dot-2.0-test-0.1.2-1.fc11.x86_64: failure:
4995dc91-dd73-4d22-9f7b-df22e4666511 from upload: [Errno 256] No more mirrors to
try.']

Jan 19 16:57:49 mgmt6 pulp: pulp.server.agent.direct.services:INFO: (23478-98976) {'reboot': {'sch
eduled': False, 'details': {}}, 'details': {'rpm': {'details': {'message': "[u'Errors were encount
ered while downloading packages.', u'pulp-dot-2.0-test-0.1.2-1.fc11.x86_64: failure: 4995dc91-dd73
-4d22-9f7b-df22e4666511 from upload: [Errno 256] No more mirrors to try.']", 'trace': 'Traceback (
most recent call last):\n\n File "/usr/lib/python2.6/site-packages/pulp/agent/lib/dispatcher.py",
line 61, in install\n   _report = handler.install(conduit, units, dict(options))\n\n File "/usr
/lib/python2.6/site-packages/pulp_rpm/handlers/rpm.py", line 100, in install\n   details = pkg.in
stall(names)\n\n File "/usr/lib/python2.6/site-packages/pulp_rpm/handlers/rpmtools.py", line 159,
in install\n   yb.processTransaction()\n\n File "/usr/lib/python2.6/site-packages/pulp_rpm/hand
lers/rpmtools.py", line 604, in processTransaction\n   YumBase.processTransaction(self, callback,
rpmDisplay=display)\n\n File "/usr/lib/python2.6/site-packages/yum/__init__.py", line 5046, in p
rocessTransaction\n   pkgs = self._downloadPackages(callback)\n\n File "/usr/lib/python2.6/site-
packages/yum/__init__.py", line 5081, in _downloadPackages\n   raise Errors.YumDownloadError, err
str\n\nYumDownloadError: [u'Errors were encountered while downloading packages.', u'pulp-dot-2.
0-test-0.1.2-1.fc11.x86_64: failure: 4995dc91-dd73-4d22-9f7b-df22e4666511 from upload: [Errno 256]
No more mirrors to try.\\']\n'}, 'succeeded': False}}, 'succeeded': False, 'num_changes': 0}
>
```

Associated revisions

Revision [4ec4261e](#) - 02/08/2016 01:48 AM - semyers

set uploaded unit href to unit filename in repo

When uploading a unit, the href in the generated xml's location tag is based on the content unit file path, which is an autogenerated unique value. This sets the href back to the unit filename, which matches the published repo layout and allows uploaded units to again be downloaded from the published repo.

fixes #1556 <https://pulp.plan.io/issues/1556>

History

#1 - 01/22/2016 04:55 PM - jortel@redhat.com

- Project changed from Pulp to RPM Support
- Category deleted (15)
- Priority changed from Normal to High
- Severity changed from 2. Medium to 3. High
- Platform Release set to 2.8.0
- Triaged changed from No to Yes

#2 - 01/28/2016 02:56 PM - jortel@redhat.com

- Status changed from NEW to ASSIGNED
- Assignee set to jortel@redhat.com

#3 - 01/29/2016 05:46 PM - jortel@redhat.com

- Status changed from ASSIGNED to NEW
- Assignee deleted (jortel@redhat.com)

#4 - 02/01/2016 03:11 PM - semyers

- Status changed from NEW to ASSIGNED

#5 - 02/01/2016 07:40 PM - semyers

After updating to the latest pulp_rpm and pulp platform, I'm unable to reproduce this.

Can you try again and see if this has been fixed?

#6 - 02/02/2016 10:20 AM - ipanova@redhat.com

- Assignee set to semyers

#7 - 02/02/2016 11:36 AM - ipanova@redhat.com

```
$ sudo yum install wolf
Loaded plugins: langpacks, pulp-profile-update
adobe-linux-x86_64
| 951 B 00:00:00
bluejeans
| 2.9 kB 00:00:00
docker-main-repo
| 2.9 kB 00:00:00
http://repos.fedorapeople.org/repos/pulpdist/pulpdist/fedora-21/x86_64/repodata/repomd.xml: [Errno 14] HTTPS Error 404 - Not Found
Trying other mirror.
google-chrome
| 951 B 00:00:00
pulp-2-stable
| 3.6 kB 00:00:00
pulp-2.5-testing
| 3.6 kB 00:00:00
rpmfusion-free-updates
| 2.7 kB 00:00:00
updates
| 4.7 kB 00:00:00
updates-testing/21/x86_64/metalink
| 22 kB 00:00:00
upload-repo
| 2.1 kB 00:00:00
(1/3): upload-repo/group
| 130 B 00:00:00
(2/3): upload-repo/primary
| 619 B 00:00:00
```

```
(3/3): upload-repo/updateinfo | 93 B 00:00:05
upload-repo 1/1
Resolving Dependencies
--> Running transaction check
---> Package wolf.noarch 0:9.4-2 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

| Package | Repository | Arch | Size | Version |
|-------------|-------------|--------|-------|---------|
| Installing: | | | | |
| wolf | upload-repo | noarch | 2.4 k | 9.4-2 |

Transaction Summary

Install 1 Package

Total download size: 2.4 k

Installed size: 42

Is this ok [y/d/N]: y

Downloading packages:

b3ac6f23-6a35-463f-a967-f678d7 FAILED

https://example.com/pulp/repos/upload-repo/b3ac6f23-6a35-463f-a967-f678d760a9ed: [Errno 14] HTTPS Error 404 - Not Found] 0.0 B/s | 0 B --:--:-- ETA

Trying other mirror.

Error downloading packages:

wolf-9.4-2.noarch: [Errno 256] No more mirrors to try.

]\$ pulp-admin rpm consumer package install run --consumer-id c1 -n wolf

Install task created with id [632a10b9-ef32-49c4-9f6c-1b3cc1351b52]

This command may be exited via ctrl+c without affecting the request.

Refresh Repository Metadata [OK]
Downloading Packages [FAILED]

Install Failed

[u'Errors were encountered while downloading packages.', u'wolf-9.4-2.noarch: [Errno 256] No more mirrors to try.']

I noticed that it looks for <https://example.com/pulp/repos/upload-repo/b3ac6f23-6a35-463f-a967-f678d760a9ed> and instead b3ac6f23-6a35-463f-a967-f678d760a9ed i see the name of the package:

```
ll /var/www/pub/yum/https/repos/upload-repo/
total 8
drwxr-sr-x. 2 apache apache 4096 Feb  2 10:23 repodata
lrwxrwxrwx. 1 apache apache 110 Feb  2 10:23 wolf-9.4-2.noarch.rpm -> /var/lib/pulp/content/units/rpm/4e62/4e6211d4-57a3-4ddc-b199-37a3f7dc1e67/b3ac6f23-6a35-463f-a967-f678d760a9ed
```

#8 - 02/04/2016 07:53 PM - semyers

Based on what you get with a "normal" sync/publish, I'm assuming that the name of the package is what should actually be in the repo metadata. Instead, here's what I get on publishing a repo with an uploaded rpm:

```
<package type="rpm">
  <name>shark</name>
  <arch>noarch</arch>
  <version epoch="0" ver="0.1" rel="1"/>
  <checksum type="sha256" pkgid="YES">951e0eacf3e6e6102b10acb2e689243b5866ec2c7720e783749dbd32f4a69ab3</checksum>
  <summary>A dummy package of shark</summary>
  <description>A dummy package of shark</description>
</package>
```

```

<url>http://tstrachota.fedorapeople.org</url>
<time file="1454607148" build="1331831369"/>
<size package="2441" installed="42" archive="296"/>
<location href="4c47548d-5d8f-49d3-bb9c-b99f4dd63a70"/>
<format>
  <rpm:license>GPLv2</rpm:license>
  <rpm:vendor/>
  <rpm:group>Internet/Applications</rpm:group>
  <rpm:buildhost>smqe-ws15</rpm:buildhost>
  <rpm:sourcerpm>shark-0.1-1.src.rpm</rpm:sourcerpm>
  <rpm:header-range start="872" end="2289"/>
  <rpm:provides>
    <rpm:entry name="shark" flags="EQ" epoch="0" ver="0.1" rel="1"/>
  </rpm:provides>
</format>
</package>

```

Note the very wrong location tag.

Here's the same package metadata as seen in a synced/published zoo repo with the correct location tag:

```

<package type="rpm">
  <name>shark</name>
  <arch>noarch</arch>
  <version epoch="0" rel="1" ver="0.1" />
  <checksum pkgid="YES" type="sha256">951e0eacf3e6e6102b10acb2e689243b5866ec2c7720e783749dbd32f4a69ab3</checksum>
  <summary>A dummy package of shark</summary>
  <description>A dummy package of shark</description>
  <packager />
  <url>http://tstrachota.fedorapeople.org</url>
  <time build="1331831369" file="1331832459" />
  <size archive="296" installed="42" package="2441" />
  <location href="shark-0.1-1.noarch.rpm"/>
  <format>
    <rpm:license>GPLv2</rpm:license>
    <rpm:vendor />
    <rpm:group>Internet/Applications</rpm:group>
    <rpm:buildhost>smqe-ws15</rpm:buildhost>
    <rpm:sourcerpm>shark-0.1-1.src.rpm</rpm:sourcerpm>
    <rpm:header-range end="2289" start="872" />
    <rpm:provides>
      <rpm:entry epoch="0" flags="EQ" name="shark" rel="1" ver="0.1" />
    </rpm:provides>
  </format>
</package>

```

The difference in indentation of the location tag might be notable, and exists in the pulp-generated metadata files.

Now to find out why... :)

#9 - 02/05/2016 02:49 AM - semyers

- Status changed from ASSIGNED to POST

https://github.com/pulp/pulp_rpm/pull/793

The difference in indentation actually did turn out to be a clue. We rather rudely rewrite that line when we get the metadata from a repo, but didn't do anything with it when generating the package xml from an uploaded RPM. My PR employs similar XML rewriting for uploaded units (without messing up the indentation)

#10 - 02/08/2016 01:55 AM - semyers

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [4ec4261e8a25362857ea4abec1317f30c87a4c2d](https://github.com/pulp/pulp_rpm/pull/793).

#11 - 02/23/2016 09:58 PM - dkliban@redhat.com

- Status changed from MODIFIED to 5

#12 - 03/14/2016 01:25 PM - pthomas@redhat.com

- Status changed from 5 to 6

verified

```
[root@mgmt5 ~]# rpm -qa pulp-server  
pulp-server-2.8.0-0.9.rc.el7.noarch
```

```
[root@mgmt5 ~]#
```

```
[root@mgmt5 ~]# pulp-admin rpm consumer package install run --consumer-id starfish --name pulp-test-package  
Install task created with id [ 17d3205c-bf6a-4d0c-b2a6-f4b63ba67d22 ]
```

This command may be exited via ctrl+c without affecting the request.

Refresh Repository Metadata [OK]

Downloading Packages [OK]

Check Package Signatures [OK]

Running Test Transaction [OK]

Running Transaction [OK]

Install Succeeded

Installed

Name: pulp-test-package

Version: 0.2.1

Arch: x86_64

Repod: upload

#13 - 03/23/2016 07:48 PM - dkliban@redhat.com

- Status changed from 6 to CLOSED - CURRENTRELEASE

#15 - 04/15/2019 10:37 PM - bmbouter

- Tags Pulp 2 added