

RPM Support - Issue #587

pulp cant install package with version in it

02/28/2015 11:40 PM - dhaval.joshi@nomura.com

Status:	CLOSED - WONTFIX	Start date:	
Priority:	Normal	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	2. Medium	Groomed:	No
Version:	2.4.2	Sprint Candidate:	No
Platform Release:		Tags:	Pulp 2
OS:		Sprint:	
Triaged:	Yes	Quarter:	

Description

Description of problem:pulp cant install package with version in it

Version-Release number of selected component (if applicable):2.4.2

```
[root@lonlx90008 yum.repos.d]# yum list |grep master_test
nm-python.x86_64 2.7.6-1 master_test
nm-python.x86_64 2.7.7-1 master_test
```

now I am trying "yum install"

```
[root@pulp-consumer yum.repos.d]# yum install nmr-python-2.7.6
```

Loaded plugins: product-id, pulp-profile-update, security

Setting up Install Process

Resolving Dependencies

--> Running transaction check

---> Package nmr-python.x86_64 0:2.7.6-1 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

```
=====
Package Arch Version Repository Size
=====
```

Installing:

```
nm-python x86_64 2.7.6-1 master_test 22 M
```

Transaction Summary

```
=====
Install 1 Package(s)
```

Total download size: 22 M

Installed size: 87 M

Is this ok [y/N]: n

Here I am trying "pulp-admin"

```
[root@pulp-admin 0]# pulp-admin -u admin -p admin rpm consumer package install run --consumer-id pulp-consumer--name
nm-python-2.7.6
```

```
Install task created with id [ f9d1177d-4548-430d-b4ce-9b470a162228 ]
```

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

Refresh Repository Metadata

Install Failed

:nm-python-2.7.6--*.*: No package(s) available to install

+ This bug was cloned from [Bugzilla Bug #1155411](#) +

History

#1 - 02/28/2015 11:40 PM - jortel@redhat.com

***** Bug 1155773 has been marked as a duplicate of this bug. ***

+ This comment was cloned from [Bugzilla #1155411 comment 1](#) +

#2 - 02/28/2015 11:40 PM - jortel@redhat.com

The pulp-admin rpm package install command only supports package specification by name. Needs to support epoch, version, release and (probably) arch. Broken (from the CLI perspective) in 2.4.0 by https://bugzilla.redhat.com/show_bug.cgi?id=1004981. 1004981 fixed the handler (and correctly so) but CLI needs to be updated as well.

This is supported by the API (just a CLI issue).

+ This comment was cloned from [Bugzilla #1155411 comment 2](#) +

#3 - 02/28/2015 11:40 PM - dhaval.joshi@nomura.com

Hello,

can you confirm where exactly it's breaking?, i checked code and tried to pass version='2.7.6' with unit and it worked, but how do i handle that with multiple packages ?

Regards,
DJ

+ This comment was cloned from [Bugzilla #1155411 comment 3](#) +

#4 - 02/28/2015 11:40 PM - dhaval.joshi@nomura.com

Below is my workaround "pulp_rpm/extensions/admin/rpm_admin_consumer/package.py"

```
125 def get_content_units(self, kwargs):
126
127 def _unit_dict(unit_name):
128 if '/' in unit_name:
129 parts = unit_name.split('/', 2)
130 if len(parts) < 2:
131 raise ValueError
132 return {'type_id': TYPE_ID_RPM,
133 'unit_key': {'name': parts[0], 'version': parts[1]}}
134 else:
135 return {'type_id': TYPE_ID_RPM,
136 'unit_key': {'name': unit_name}}
137
138 return map(_unit_dict, kwargs['name'])
```

If you can guide me how to get NEVRA for package, i can apply with that as well.

Thanks,
DJ

+ This comment was cloned from [Bugzilla #1155411 comment 4](#) +

#5 - 02/28/2015 11:40 PM - bmbouter

I talked to Dhaval in #pulp and he wanted to get input on his posted patch. I didn't know so I'm marking it as needs info to you Jeff.

+ This comment was cloned from [Bugzilla #1155411 comment 5](#) +

#6 - 02/28/2015 11:40 PM - vijaykumar.jain@nomura.com

In [6]: import rpmUtils

In [7]: print rpmUtils.miscutils.splitFilename('lgtoman-7.6.5.1-1.x86_64.rpm')

('lgtoman', '7.6.5.1', '1', '', 'x86_64')

I have seen someone raising some issues with respect to inconsistent repo naming, but we can definitely get NEVRA from here and use full rpm name for deploy in the CLI.

Let me know if this sounds ok?

+ This comment was cloned from [Bugzilla #1155411 comment 6](#) +

#7 - 02/28/2015 11:40 PM - jortel@redhat.com

I have been discussing with dhaval via direct email. Providing feedback here for completeness.

No, I would not recommend using that function. It does weird things with partial names.

EG:

```
>>> from rpmUtils.miscutils import splitFilename
>>> splitFilename('lgtoman-7.6.5.1-1.x86_64.rpm')
('lgtoman', '7.6.5.1', '1', '', 'x86_64')
>>> splitFilename('lgtoman-7.6.5.1-1.x86_64')
('lgtoman', '7.6.5.1', '1', '', 'x86_64')
>>> splitFilename('lgtoman-7.6.5.1.x86_64')
('lgtoman-7.6.5.1.x86_6', 'lgtoman', '7.6.5.1', '', 'x86_64')
>>> splitFilename('lgtoman')
('lgtoma', 'lgtoma', 'lgtoma', '', 'lgtoman')
>>> splitFilename('lgtoman-1.0')
('lgtoman-1.', 'lgtoman', '1', '', '0')
```

If you write a function to perform the split, I would suggest putting it in `pulp_rpm.common`. Also, I did a quick look and did not find anything in the `pulp_rpm` project that you can use for this. Though, it would be good for you to do a search as well before writing the function just to double check.

+ This comment was cloned from [Bugzilla #1155411 comment 7](#) +

#8 - 02/28/2015 11:40 PM - vijaykumar.jain@nomura.com

what about using the function only when path is full filename. we can have any amount of "-"s and "."s in the name which can hinder the parsing functionality.

We can either ask the user to explicitly provide the full rpm and then use the above parsing only when we have full rpm file else, go with the name based approach and if there is a failure then provide available packages in repository matching the input?

```
pulp-admin -u admin -p admin rpm repo content rpm --repo-id <repo-id> --match='filename=myrpm-1.6' --fields name,filename,version
```

+ This comment was cloned from [Bugzilla #1155411 comment 8](#) +

#9 - 03/20/2015 08:15 PM - bmbouter

- Severity changed from Medium to 2. Medium

#10 - 04/12/2019 10:15 PM - bmbouter

- Status changed from NEW to CLOSED - WONTFIX

Pulp 2 is approaching maintenance mode, and this Pulp 2 ticket is not being actively worked on. As such, it is being closed as WONTFIX. Pulp 2 is still accepting contributions though, so if you want to contribute a fix for this ticket, please reopen or comment on it. If you don't have permissions to reopen this ticket, or you want to discuss an issue, please reach out via the [developer mailing list](#).

#11 - 04/15/2019 11:08 PM - bmbouter

- Tags Pulp 2 added