

RPM Support - Issue #616

2 scenarios of Permission denied when exporting repo

02/28/2015 11:44 PM - igulina@redhat.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:	2.5	Sprint Candidate:	No
Platform Release:		Tags:	Pulp 2, SELinux
OS:		Sprint:	
Triaged:	Yes	Quarter:	

Description

Description of problem:

2 scenarios of Permission denied when exporting repo:

- 1) exporting to a non-existing repo returns Permission denied error, but creates a specified repo and completes an export
- 2) exporting to an existing repo returns Permission denied error, and doesn't export anything

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

```
rpm -qa | grep pulp-server
```

```
pulp-server-2.5.0-0.18.rc.fc20.noarch
```

How reproducible:

always

Steps to Reproduce:

```
pulp-admin rpm repo list
```

RPM Repositories

Id: gena

Display Name: gena

Description: None

Content Unit Counts:

Rpm: 2

```
ls -l | grep tmp
```

```
drwxrwxrwt. 8 apache apache 4096 Nov 13 13:27 tmp
```

```
ls -l /tmp
```

total 4

srwxrwxrwx. 1 mongodb mongodb 0 Oct 14 10:47 mongodb-27017.sock
drwx-----. 3 root root 4096 Nov 12 19:33 systemd-httpd.service-Xzx1e87

pulp-admin rpm repo export run --repo-id gena --export-dir /tmp/blabla

Publishing Repository [gena]

The following publish configuration options will be used:

Export Dir: /tmp/blabla

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

Initializing repo metadata

[-]
... completed

Publishing Distribution files

[-]
... completed

Publishing RPMs

[=====] 100%
2 of 2 items
... completed

Publishing Delta RPMs

... skipped

Publishing Errata

[-]
... completed

Publishing Comps file

[-]
... completed

Publishing Metadata.

[-]
... completed

Closing repo metadata

[-]
... completed

Generating sqlite files

... skipped

Copying files

[-]
... failed
[[('u'/var/lib/pulp/working/repos/gena/distributors/export_distributor/repodata',
u'/tmp/blabla/gena/repodata', "[Errno 13] Permission denied:
'/tmp/blabla/gena/repodata'"),
(u'/var/lib/pulp/working/repos/gena/distributors/export_distributor',
u'/tmp/blabla/gena', "[Errno 13] Permission denied: '/tmp/blabla/gena'")]]

Task Failed

[[('u'/var/lib/pulp/working/repos/gena/distributors/export_distributor/repodata',
u'/tmp/blabla/gena/repodata', "[Errno 13] Permission denied:
'/tmp/blabla/gena/repodata'"),
(u'/var/lib/pulp/working/repos/gena/distributors/export_distributor',

```
u'/tmp/bla/bla/gena', "[Errno 13] Permission denied: '/tmp/bla/bla/gena'")]
```

```
ls -l /tmp
```

```
total 8
drwxr-xr-x. 3 apache apache 4096 Nov 13 13:29 bla/bla
srwxrwxrwx. 1 mongodb mongodb 0 Oct 14 10:47 mongodb-27017.sock
drwx-----. 3 root root 4096 Nov 12 19:33 systemd-httpd.service-Xzx1e87
```

```
ls -l /tmp/bla/bla/
```

```
total 4
drwxr-xr-x. 3 apache apache 4096 Nov 13 13:29 gena
```

And now we export it to the existing directory:

```
mkdir /tmp/gena_export
chown apache:apache /tmp/gena_export/
ls -l /tmp
```

```
total 12
drwxr-xr-x. 3 apache apache 4096 Nov 13 13:29 bla/bla
drwxr-xr-x. 2 apache apache 4096 Nov 13 13:30 gena_export
srwxrwxrwx. 1 mongodb mongodb 0 Oct 14 10:47 mongodb-27017.sock
drwx-----. 3 root root 4096 Nov 12 19:33 systemd-httpd.service-Xzx1e87
```

```
pulp-admin rpm repo export run --repo-id gena --export-dir /tmp/gena_export
```

Publishing Repository [gena]

The following publish configuration options will be used:

Export Dir: /tmp/gena_export

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

Initializing repo metadata

```
[-]
... completed
```

Publishing Distribution files

```
[-]
... completed
```

Publishing RPMs

```
[=====] 100%
2 of 2 items
... completed
```

Publishing Delta RPMs

```
... skipped
```

Publishing Errata

```
[-]
... completed
```

Publishing Comps file

```
[-]
... completed

Publishing Metadata.
[-]
... completed

Closing repo metadata
[-]
... completed

Generating sqlite files
... skipped

Copying files
[-]
... failed
[Errno 13] Permission denied: '/tmp/gena_export/gena'

Task Failed

[Errno 13] Permission denied: '/tmp/gena_export/gena'

And ta-dam! It's empty!

        ls -l /tmp/gena_export/

total 0
+ This bug was cloned from Bugzilla Bug #1163810 +
```

History

#1 - 02/28/2015 11:44 PM - mhrivnak

Could this have been caused by selinux?

+ This comment was cloned from [Bugzilla #1163810 comment 1](#) +

#2 - 02/28/2015 11:44 PM - igulina@redhat.com

Right, it happens with Enforcing selinux, in Permissive mode evrth is ok.

+ This comment was cloned from [Bugzilla #1163810 comment 2](#) +

#3 - 02/28/2015 11:44 PM - igulina@redhat.com

- File 7667cbd5d748c4829443218302a93055 added

stacktrace

```
less /var/log/audit/audit.log | grep avc
```

```
ype=AVC msg=audit(1416375562.269:321086): avc: denied { setattr } for pid=15885 comm="celery" name="repodata" dev="xvda1" ino=626175
scontext=system_u:system_r:celery_t:s0 tcontext=system_u:object_r:tmp_t:s0 tclass=dir
type=AVC msg=audit(1416375562.278:321087): avc: denied { setattr } for pid=15885 comm="celery" name="zoo" dev="xvda1" ino=626166
scontext=system_u:system_r:celery_t:s0 tcontext=system_u:object_r:tmp_t:s0 tclass=dir
type=USER_AVC msg=audit(1416375686.738:321091): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='avc:
received setenforce notice (enforcing=0) exe="/usr/lib/systemd/systemd" sauid=0 hostname=? addr=? terminal=?'
type=AVC msg=audit(1416375707.544:321117): avc: denied { setattr } for pid=20675 comm="celery" name="repodata" dev="xvda1" ino=626031
scontext=system_u:system_r:celery_t:s0 tcontext=system_u:object_r:tmp_t:s0 tclass=dir
```

+ This comment was cloned from [Bugzilla #1163810 comment 3](#) +

#4 - 03/03/2015 06:00 PM - bcourt

- Project changed from Pulp to RPM Support

#5 - 03/20/2015 08:15 PM - bmbouter

- Severity changed from Medium to 2. Medium

#6 - 04/06/2016 05:57 PM - Ichimonji10

This issue also affects me. I can create a directory like this:

```
file=$(mktemp --directory)
setfacl -m user:apache:rwX "$file"
setfacl -m default:apache:rwX "$file"
```

Or like this:

```
file=$(sudo --user apache mktemp --directory)
```

Or like this:

```
file=$(mktemp --directory)
chown 777 "$file"
```

After creating the directory, I can use it in manual testing:

```
sudo -u apache touch "${file}/foo"
sudo -u apache mkdir "${file}/bar"
sudo -u apache touch "${file}/bar/biz"
sudo -u apache python -c 'import os; os.makedirs("/tmp/.../abc/123")'
```

However, when I attempt to publish a repository into this directory using an "export" distributor, Pulp fails with a "permission denied" error. The error names "/tmp/\${file}/foo" as the culprit.

#7 - 04/06/2016 07:25 PM - Ichimonji10

We now have a test targeting this issue. See:

- http://pulp-smash.readthedocs.org/en/latest/api/pulp_smash.tests.rpm.api_v2.test_export.html
- https://github.com/PulpQE/pulp-smash/blob/master/pulp_smash/tests/rpm/api_v2/test_export.py

#8 - 04/08/2016 05:39 PM - bmbouter

- Parent task set to #1826

#9 - 04/08/2016 07:14 PM - bmbouter

- Tags SELinux added

#10 - 04/08/2016 07:17 PM - bmbouter

- Parent task deleted (#1826)

#11 - 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](#).

#12 - 04/15/2019 11:07 PM - bmbouter

- Tags Pulp 2 added

Files

7667cbd5d748c4829443218302a93055

9.71 KB

02/28/2015

igulina@redhat.com