

## RPM Support - Issue #3256

### all sslclientcert in pulp.repo are called client.crt

01/08/2018 04:13 PM - balonik

<b>Status:</b> CLOSED - CURRENTRELEASE	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> balonik	<b>Estimated time:</b> 0:00 hour
<b>Category:</b>	
<b>Sprint/Milestone:</b> 2.18.0	
<b>Severity:</b> 2. Medium	<b>Groomed:</b> No
<b>Version:</b>	<b>Sprint Candidate:</b> No
<b>Platform Release:</b> 2.18.0	<b>Tags:</b> Pulp 2
<b>OS:</b>	<b>Sprint:</b>
<b>Triaged:</b> Yes	<b>Quarter:</b>

**Description**

Hi,

When binding pulp consumer to more protected repositories, all sslclientcert in pulp.repo are named 'client.crt'. This causes the old curl/yum error:  
Error: sslclientcert basename shared between foo and bar

**Environment:**  
RHEL 7.4  
pulp-consumer-client-2.14.3-1.el7.noarch

**Steps on the Pulp server:**  
Create entitlement certs as per <https://pulpproject.org/2011/05/18/pulp-protected-repositories/>

1. pulp-admin rpm repo create --repo-id=foo --display-name=foo --relative-url=foo --repoview=false --host-ca=/etc/httpd/ssl/ca.crt --auth-ca=/etc/httpd/ssl/ca.crt --auth-cert=/etc/httpd/ssl/foo.crt
2. pulp-admin rpm repo create --repo-id=bar --display-name=bar --relative-url=bar --repoview=false --host-ca=/etc/httpd/ssl/ca.crt --auth-ca=/etc/httpd/ssl/ca.crt --auth-cert=/etc/httpd/ssl/bar.crt
3. pulp-admin rpm repo publish run --repo-id=foo
4. pulp-admin rpm repo publish run --repo-id=bar

**Expected Result:**  
On the Pulp consumer, register it against server and bind the repositories.

1. pulp-consumer rpm bind --repo-id=foo  
Bind tasks successfully created:

Task Id: 51c45868-2a59-4b31-a933-31a34ab22c1f

1. pulp-consumer rpm bind --repo-id=bar  
Bind tasks successfully created:

Task Id: c4d864e1-65d1-4714-8db9-5536698d9a6e

1. yum repolist  
<normal yum output here>

**Actual result:**  
On the Pulp consumer, register it against server and bind the repositories.

1. pulp-consumer rpm bind --repo-id=foo  
Bind tasks successfully created:

Task Id: 51c45868-2a59-4b31-a933-31a34ab22c1f

1. pulp-consumer rpm bind --repo-id=bar  
Bind tasks successfully created:

Task Id: c4d864e1-65d1-4714-8db9-5536698d9a6e

1. yum repolist  
Loaded plugins: langpacks, pulp-profile-update  
Error: sslclientcert basename shared between foo and bar

#### Content of pulp.repo:

1. cat /etc/yum.repos.d/pulp.repo  
#
2. Pulp Repositories
3. Managed by Pulp client  
#

```
[foo]
name = foo
enabled = 1
sslverify = 1
gpgcheck = 0
sslcacert = /etc/pki/tls/certs/ca-bundle.crt
sslclientcert = /etc/pki/pulp/client/repo/foo/client.crt
baseurl = https://pulpserver/pulp/repos/foo
```

```
[bar]
name = bar
enabled = 1
sslverify = 1
gpgcheck = 0
sslcacert = /etc/pki/tls/certs/ca-bundle.crt
sslclientcert = /etc/pki/pulp/client/repo/bar/client.crt
baseurl = https://pulpserver/pulp/repos/bar
```

#### Associated revisions

##### Revision 6728a935 - 08/28/2018 03:58 PM - balonik

Avoid client certificate basenames shared between repos

Some older versions of the Yum client (such as those shipped with RedHat/CentOS 7) are compiled against nss which in turn considers certificates with the same basename as same certificates[1,2,3,4]. Pulp using repo directories to namespace client certificates (e.g /etc/pki/pulp/client/repo/foo/client.crt) leads to Yum refusing to use multiple protected repos simultaneously.

This patch works around the situation by generating cert file basenames with the repository name as a prefix.

Fixes: #3256 <https://pulp.plan.io/issues/3256>

[1] <http://yum-devel.narkive.com/pTxDzeaR/patch-document-basename-checking-of-ssl-cert-files> [2] [https://github.com/jbraeuer/yum-s3/blob/master/SOURCES/BZ-695427-basename-cert-warn-check\\_patch#L51](https://github.com/jbraeuer/yum-s3/blob/master/SOURCES/BZ-695427-basename-cert-warn-check_patch#L51) [3] <http://lists.baseurl.org/pipermail/yum-devel/2012-December/009818.html> [4] [https://bugzilla.redhat.com/show\\_bug.cgi?id=885159](https://bugzilla.redhat.com/show_bug.cgi?id=885159)

##### Revision a60d44be - 08/28/2018 03:58 PM - milan

Fix cert unittests

Cert file unittests are not up-to-date with the change of the client cert relative path.

Closes: #3256 <https://pulp.plan.io/issues/3256>

## History

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### #1 - 01/12/2018 04:45 PM - bmbouter

- Triaged changed from No to Yes

Thanks for filing such a great bug description. I think the change would be backwards incompatible, but since it's a bug and it requires that change I believe semver.org allows us to make that change anyway. We should call it out in the release notes though that call out the change. Practically speaking I don't think the change will disturb many users.

I think the repo name could be used as the filename. So the cert would be called foo/foo.cert instead of foo/client.crt

@balonik, is there any way you would be able to send a fix for this issue? The core devs could help guide and review it. If you're interested in that (or if someone else is), come into #pulp-dev on irc and we can talk about how to fix it.

### #2 - 01/31/2018 12:18 PM - balonik

Hi,

I can try to come with a fix. Against which branch in github should be the PR raised?

### #3 - 02/01/2018 11:31 AM - ttereshc

@balonik, please, open PRs against master branch for any fixes in Pulp 2. Thanks!

### #4 - 03/13/2018 10:15 AM - balonik

[ttereshc](#)

Please see

[https://github.com/pulp/pulp\\_rpm/pull/1095](https://github.com/pulp/pulp_rpm/pull/1095)

### #5 - 07/10/2018 01:09 AM - dalley

- Status changed from NEW to POST

- Assignee set to balonik

### #6 - 08/29/2018 01:54 PM - balonik

- Status changed from POST to MODIFIED

Applied in changeset [6728a935f7c6ce114f634e5b108a9436d886a9b4](#).

### #7 - 08/29/2018 01:54 PM - milan

Applied in changeset [a60d44be2bcd5dea6c484be871475d2cdec02d56](#).

### #8 - 09/18/2018 08:40 PM - dkliban@redhat.com

- Platform Release set to 2.18.0

### #9 - 10/05/2018 08:39 AM - ttereshc

- Sprint/Milestone set to 2.18.0

### #10 - 11/20/2018 08:20 PM - ttereshc

- Status changed from MODIFIED to 5

**#11 - 12/04/2018 11:10 PM - ttereshc**

- Status changed from 5 to CLOSED - CURRENTRELEASE

**#12 - 04/15/2019 10:14 PM - bmbouter**

- Tags Pulp 2 added