

Pulp - Issue #5995

filecontext conflict with pulp2

01/15/2020 03:54 PM - evgeni

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	dkliban@redhat.com	Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	3.2.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	Katello, SELinux
Version:		Sprint:	Sprint 66
Platform Release:		Quarter:	
OS:			
Triaged:	Yes		

Description

pulp.fc currently defines

```
/var/lib/pulp(/.*)? gen_context(system_u:object_r:pulpcore_var_lib_t,s0)
```

However, pulp-server.fc (<https://github.com/pulp/pulp/blob/2-master/server/selinux/server/pulp-server.fc#L6>) from pulp2 defines this as:

```
/var/lib/pulp(/.*)? gen_context(system_u:object_r:httpd_sys_rw_content_t,s0)
```

I'd expect this makes these two policies not co-installable.

Associated revisions

Revision c39312b3 - 02/11/2020 05:24 PM - dkliban@redhat.com

Renames /var/lib/pulp/static/ to /var/lib/pulp/assets/.

This directory name is already being used by Pulp 2. As a result the SELinux policies for Pulp 2 and Pulp 3 are conflicting. After this change, the two SELinux policies can explicitly name the directories inside /var/lib/pulp/ that they manage.

re: #5995 <https://pulp.plan.io/issues/5995>

Revision 4b79d71b - 02/11/2020 06:01 PM - dkliban@redhat.com

Lists all directories inside /var/lib/pulp/ that are used by pulpcore

This avoids having a conflict with the pulp-server 2.y.z SELinux policy which states:

```
/var/lib/pulp(/.*)? gen_context(system_u:object_r:httpd_sys_rw_content_t,s0)
```

re: #5995 <https://pulp.plan.io/issues/5995>

History

#1 - 01/15/2020 06:13 PM - bmbouter

- Tags *Katello-P2* added

Adding P2 label to identify the work priority w.r.t. Katello.

#2 - 01/17/2020 04:35 PM - fao89

- *Triaged* changed from *No* to *Yes*

#3 - 01/23/2020 11:34 AM - evgeni

```
[root@centos7-katello-3-14 ~]# /usr/sbin/semodule -s targeted -i /usr/share/selinux/targeted/pulpcore.pp
/etc/selinux/final/targeted/contexts/files/file_contexts: Multiple different specifications for /var/lib/pulp(
/.*)? (system_u:object_r:pulpcore_var_lib_t:s0 and system_u:object_r:httpd_sys_rw_content_t:s0).
/etc/selinux/final/targeted/contexts/files/file_contexts: Invalid argument
libsemanage.semanage_validate_and_compile_fcontexts: setfiles returned error code 1.
/usr/sbin/semodule: Failed!
```

#4 - 01/28/2020 04:55 PM - bmbouter

- Status changed from *NEW* to *ASSIGNED*

- Assignee set to *bmbouter*

- Sprint set to *Sprint 65*

Adding to sprint as it's a Katello blocker.

The plan

We need to update the Pulp2 policy to claim only the folders inside */var/lib/pulp* that it needs. Then the pulp3 policy needs to be updated the same.

What are the directory paths Pulp2 uses?

What are the directory paths Pulp3 uses?

#5 - 01/29/2020 06:20 PM - jsherril@redhat.com

On my combined pulp2/pulp3 box i see:

```
artifact
content
importers
init.flag
packages
published
static
tmp
upload
uploads
```

On my pure pulp2 box i see:

content
importers
init.flag
packages
published
static
uploads

#6 - 02/07/2020 03:20 PM - rchan

- Sprint changed from Sprint 65 to Sprint 66

#7 - 02/10/2020 11:04 PM - dkliban@redhat.com

- Description updated

- Assignee changed from bmbouter to dkliban@redhat.com

#8 - 02/10/2020 11:45 PM - dkliban@redhat.com

The only overlapping directory is /var/lib/pulp/static/. We should change pulpcore to use /var/lib/pulp/pulpcore-static/ for its static content. I am open to other name suggestions.

#9 - 02/11/2020 02:36 PM - daviddavis

+1 to rename. What about the name 'assets'?

#10 - 02/11/2020 03:01 PM - dkliban@redhat.com

I like 'assets'. To be clear, this is only going to change the directory name inside /var/lib/pulp. The URL for the files inside is still going to be /static/.

#11 - 02/11/2020 05:29 PM - dkliban@redhat.com

Here is the first PR to rename the directory in pulpcore: <https://github.com/pulp/pulpcore/pull/533>

I also discovered that the installer is not properly configuring nginx and apache to serve the static content: <https://pulp.plan.io/issues/6128>

#12 - 02/11/2020 06:08 PM - dkliban@redhat.com

Here is the SELinux policy change PR: <https://github.com/pulp/pulpcore-selinux/pull/12>

#13 - 02/11/2020 06:54 PM - dkliban@redhat.com

- Status changed from ASSIGNED to MODIFIED

#14 - 02/27/2020 06:47 PM - daviddavis

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE

#15 - 02/27/2020 07:17 PM - daviddavis

- Sprint/Milestone set to 3.2.0

#16 - 05/08/2020 07:49 PM - ggaaney

- Tags Katello added

- Tags deleted (Katello-P2)