

Ceph - Bug #43396

selinux denial on el8

12/19/2019 10:11 PM - Sage Weil

Status:	Resolved	% Done:	0%
Priority:	Urgent	Spent time:	0.00 hour
Assignee:	Patrick Donnelly		
Category:			
Target version:	v15.0.0		
Source:	Q/A	Reviewed:	
Tags:		Affected Versions:	
Backport:		ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor	Crash signature:	
Description			
<p>SELinux denials found on ubuntu@smithi171.front.sepia.ceph.com: [type=AVC msg=audit(1576786614.808:3780): avc: denied { open } for pid=15987 comm="setroubleshootd" path="/var/lib/rpm/Packages" dev="sda1" ino=61046 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.808:3782): avc: denied { map } for pid=15987 comm="setroubleshootd" path="/var/lib/rpm/Name" dev="sda1" ino=61070 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.268:3768): avc: denied { getattr } for pid=15724 comm="rhsmcertd-worke" path="/var/lib/rpm/Packages" dev="sda1" ino=61046 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.581:3778): avc: denied { unlink } for pid=15724 comm="rhsmcertd-worke" name="metadata_lock.pid" dev="sda1" ino=57312 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.268:3766): avc: denied { read write } for pid=15724 comm="rhsmcertd-worke" name=".dbenv.lock" dev="sda1" ino=61154 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.337:3775): avc: denied { open } for pid=15724 comm="rhsmcertd-worke" path="/var/cache/dnf/metadata_lock.pid" dev="sda1" ino=57312 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.662:3779): avc: denied { read } for pid=15724 comm="rhsmcertd-worke" name="satellite-5-client.module" dev="sda1" ino=57237 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:root_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.337:3775): avc: denied { add_name } for pid=15724 comm="rhsmcertd-worke" name="metadata_lock.pid" scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permissive=1, 'type=AVC msg=audit(1576786614.439:3776): avc: denied { open } for pid=15724 comm="rhsmcertd-worke" path="/var/cache/dnf/epel-fafd94c310c51e1e/metalink.xml" dev="sda1" ino=262189 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.808:3780): avc: denied { read } for pid=15987 comm="setroubleshootd" name="Packages" dev="sda1" ino=61046 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.337:3775): avc: denied { create } for pid=15724 comm="rhsmcertd-worke" name="metadata_lock.pid" scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.808:3781): avc: denied { lock } for pid=15987 comm="setroubleshootd" path="/var/lib/rpm/Packages" dev="sda1" ino=61046 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.268:3767): avc: denied { lock } for pid=15724 comm="rhsmcertd-worke" path="/var/lib/rpm/.dbenv.lock" dev="sda1" ino=61154 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.337:3774): avc: denied { open } for pid=15724 comm="rhsmcertd-worke" path="/var/log/hawkey.log" dev="sda1" ino=60817 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:var_log_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.268:3766): avc: denied { open } for pid=15724 comm="rhsmcertd-worke" path="/var/lib/rpm/.dbenv.lock" dev="sda1" ino=61154 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.662:3779): avc: denied { open } for pid=15724 comm="rhsmcertd-worke" path="/etc/dnf/modules.d/satellite-5-client.module" dev="sda1" ino=57237 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:root_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.333:3773): avc: denied { map } for pid=15724 comm="rhsmcertd-worke" path="/var/lib/rpm/Name" dev="sda1" ino=61070 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1, 'type=AVC msg=audit(1576786614.337:3775): avc: denied { write } for pid=15724 comm="rhsmcertd-worke" name="dnf" dev="sda1" ino=60792 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permissive=1, 'type=AVC msg=audit(1576786614.581:3778): avc: denied { remove_name } for pid=15724 comm="rhsmcertd-worke" name="metadata_lock.pid" dev="sda1" ino=57312 scontext=system_u:system_r:rhsmcertd_t:s0</p>			

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tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permissive=1', 'type=AVC msg=audit(1576786614.464:3777): avc: denied { setattr } for pid=15724 comm="rhsmcertd-worke" name="6e2fe611f78ac434c2918bac1eec468dbd24c9b4c6b5bf6a744d10f764f3284-primary.xml.gz" dev="sda1" ino=262155 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1']
```

/a/sage-2019-12-19_19:10:50-rados-master-distro-basic-smithi/4615422

History

#1 - 01/03/2020 11:12 PM - Patrick Donnelly

- Status changed from New to In Progress
- Assignee set to Patrick Donnelly
- Target version set to v15.0.0
- Source set to Q/A

```
2020-01-03T23:04:56.964 DEBUG:teuthology.run_tasks:Unwinding manager selinux
2020-01-03T23:04:57.106 INFO:teuthology.orchestra.run.smithi091:> mkdir /home/ubuntu/cephptest/archive/audit &&
sudo cp /var/log/audit/audit.log /home/ubuntu/cephptest/archive/audit && sudo chown $USER /home/ubuntu/cephptes
t/archive/audit/audit.log && gzip /home/ubuntu/cephptest/archive/audit/audit.log
2020-01-03T23:04:57.175 INFO:teuthology.orchestra.run.smithi168:> mkdir /home/ubuntu/cephptest/archive/audit &&
sudo cp /var/log/audit/audit.log /home/ubuntu/cephptest/archive/audit && sudo chown $USER /home/ubuntu/cephptes
t/archive/audit/audit.log && gzip /home/ubuntu/cephptest/archive/audit/audit.log
2020-01-03T23:04:57.242 INFO:teuthology.orchestra.run.smithi168:> sudo grep 'avc: .*denied' /var/log/audit/aud
it.log | grep -v '\(comm="dmidecode"|\chronyd.service\|name="cephptest"\|scontext=system_u:system_r:nrpe_t:s0\|
scontext=system_u:system_r:pcp_pmllogger_t\|scontext=system_u:system_r:pcp_pmc_d_t:s0\|comm="rhsm_d"\|scontext=sy
stem_u:system_r:syslog_d_t:s0\|tcontext=system_u:system_r:nrpe_t:s0\|comm="updatedb"\|comm="smartd"\)'
2020-01-03T23:04:57.273 DEBUG:teuthology.orchestra.run:got remote process result: 1
2020-01-03T23:04:57.274 INFO:teuthology.orchestra.run.smithi091:> sudo grep 'avc: .*denied' /var/log/audit/aud
it.log | grep -v '\(comm="dmidecode"|\chronyd.service\|name="cephptest"\|scontext=system_u:system_r:nrpe_t:s0\|
scontext=system_u:system_r:pcp_pmllogger_t\|scontext=system_u:system_r:pcp_pmc_d_t:s0\|comm="rhsm_d"\|scontext=sy
stem_u:system_r:syslog_d_t:s0\|tcontext=system_u:system_r:nrpe_t:s0\|comm="updatedb"\|comm="smartd"\)'
2020-01-03T23:04:57.304 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.153:5216)
: avc: denied { read write } for pid=22266 comm="rhsmcertd-worke" name=".dbenv.lock" dev="sda1" ino=262270
scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1
2020-01-03T23:04:57.305 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.153:5216)
: avc: denied { open } for pid=22266 comm="rhsmcertd-worke" path="/var/lib/rpm/.dbenv.lock" dev="sda1" ino=
262270 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permi
ssive=1
2020-01-03T23:04:57.305 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.153:5217)
: avc: denied { lock } for pid=22266 comm="rhsmcertd-worke" path="/var/lib/rpm/.dbenv.lock" dev="sda1" ino=
262270 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permi
ssive=1
2020-01-03T23:04:57.305 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.153:5218)
: avc: denied { getattr } for pid=22266 comm="rhsmcertd-worke" path="/var/lib/rpm/__db.001" dev="sda1" ino=
262271 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permi
ssive=1
2020-01-03T23:04:57.305 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.153:5219)
: avc: denied { map } for pid=22266 comm="rhsmcertd-worke" path="/var/lib/rpm/__db.001" dev="sda1" ino=2622
71 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissiv
e=1
2020-01-03T23:04:57.306 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.240:5220)
: avc: denied { open } for pid=22266 comm="rhsmcertd-worke" path="/var/log/hawkey.log" dev="sda1" ino=60817
scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:var_log_t:s0 tclass=file permissive=1
2020-01-03T23:04:57.306 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.240:5221)
: avc: denied { write } for pid=22266 comm="rhsmcertd-worke" name="dnf" dev="sda1" ino=60792 scontext=syste
m_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permissive=1
2020-01-03T23:04:57.306 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.240:5221)
: avc: denied { add_name } for pid=22266 comm="rhsmcertd-worke" name="metadata_lock.pid" scontext=system_u:
system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permissive=1
2020-01-03T23:04:57.306 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.240:5221)
: avc: denied { create } for pid=22266 comm="rhsmcertd-worke" name="metadata_lock.pid" scontext=system_u:sy
stem_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=file permissive=1
2020-01-03T23:04:57.307 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.240:5221)
: avc: denied { open } for pid=22266 comm="rhsmcertd-worke" path="/var/cache/dnf/metadata_lock.pid" dev="sd
a1" ino=60471 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=f
ile permissive=1
2020-01-03T23:04:57.307 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.351:5222)
: avc: denied { open } for pid=22266 comm="rhsmcertd-worke" path="/var/cache/dnf/ceph-15444cae4656afef/repo
data/repomd.xml" dev="sda1" ino=262154 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=unconfined_u:object_
r:rpm_var_cache_t:s0 tclass=file permissive=1
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2020-01-03T23:04:57.307 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.478:5223)
: avc: denied { remove_name } for pid=22266 comm="rhsmcertd-worke" name="metadata_lock.pid" dev="sda1" ino=
60471 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=dir permi
ssive=1
2020-01-03T23:04:57.307 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.478:5223)
: avc: denied { unlink } for pid=22266 comm="rhsmcertd-worke" name="metadata_lock.pid" dev="sda1" ino=60471
scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:rpm_var_cache_t:s0 tclass=file permissiv
e=1
2020-01-03T23:04:57.308 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.559:5224)
: avc: denied { read } for pid=22266 comm="rhsmcertd-worke" name="satellite-5-client.module" dev="sda1" ino
=57237 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:root_t:s0 tclass=file permissive=1
2020-01-03T23:04:57.308 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091952.559:5224)
: avc: denied { open } for pid=22266 comm="rhsmcertd-worke" path="/etc/dnf/modules.d/satellite-5-client.mod
ule" dev="sda1" ino=57237 scontext=system_u:system_r:rhsmcertd_t:s0 tcontext=system_u:object_r:root_t:s0 tclas
s=file permissive=1
2020-01-03T23:04:57.308 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091953.215:5225)
: avc: denied { read } for pid=22320 comm="setroubleshootd" name="Packages" dev="sda1" ino=262250 scontext=
system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file per
missive=1
2020-01-03T23:04:57.308 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091953.215:5225)
: avc: denied { open } for pid=22320 comm="setroubleshootd" path="/var/lib/rpm/Packages" dev="sda1" ino=262
250 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tc
lass=file permissive=1
2020-01-03T23:04:57.308 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091953.215:5226)
: avc: denied { lock } for pid=22320 comm="setroubleshootd" path="/var/lib/rpm/Packages" dev="sda1" ino=262
250 scontext=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tc
lass=file permissive=1
2020-01-03T23:04:57.309 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091953.215:5227)
: avc: denied { map } for pid=22320 comm="setroubleshootd" path="/var/lib/rpm/Name" dev="sda1" ino=262251 s
context=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=
file permissive=1
2020-01-03T23:04:57.309 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091957.991:5230)
: avc: denied { read } for pid=22351 comm="rpm" name="Packages" dev="sda1" ino=262250 scontext=system_u:sys
tem_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permissive=1
2020-01-03T23:04:57.309 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091957.991:5230)
: avc: denied { open } for pid=22351 comm="rpm" path="/var/lib/rpm/Packages" dev="sda1" ino=262250 scontext
=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file pe
rmissive=1
2020-01-03T23:04:57.309 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091957.991:5231)
: avc: denied { lock } for pid=22351 comm="rpm" path="/var/lib/rpm/Packages" dev="sda1" ino=262250 scontext
=system_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file pe
rmissive=1
2020-01-03T23:04:57.310 INFO:teuthology.orchestra.run.smithi091.stdout:type=AVC msg=audit(1578091957.991:5232)
: avc: denied { map } for pid=22351 comm="rpm" path="/var/lib/rpm/Name" dev="sda1" ino=262251 scontext=syst
em_u:system_r:setroubleshootd_t:s0-s0:c0.c1023 tcontext=unconfined_u:object_r:var_lib_t:s0 tclass=file permiss
ive=1
2020-01-03T23:04:57.310 DEBUG:teuthology.task.selinux:ubuntu@smithi091.front.sepia.ceph.com has 23 denials
```

From: /ceph/teuthology-archive/pdonnell-2020-01-03_20:54:58-fs-wip-pdonnell-testing-20200103.181716-distro-basic-smithi/4637211/teuthology.log
and others.

#2 - 01/03/2020 11:12 PM - Patrick Donnelly

- *Project changed from RADOS to Ceph*

#3 - 01/03/2020 11:20 PM - Patrick Donnelly

- *Status changed from In Progress to Fix Under Review*

<https://github.com/ceph/teuthology/pull/1391>

#4 - 01/06/2020 05:47 PM - Kefu Chai

- *Status changed from Fix Under Review to Resolved*