

Ceph - Bug #10844

mon: caps validation should rely on EntityName instead of entity_name_t

02/11/2015 08:48 PM - Joao Eduardo Luis

Status:	Resolved	Start date:	02/11/2015
Priority:	Urgent	Due date:	
Assignee:	Joao Eduardo Luis	% Done:	0%
Category:	Monitor	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	other	Reviewed:	
Tags:		Affected Versions:	
Backport:	firefly, giant	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		

Description

More precisely, on MonCapGrand::expand_profile(), we take an entity_name_t to properly fill in config-key's grants on profile osd.

If we happen to need to get/set a config-key for a given osd using a client (e.g., ceph --name osd.X config-key exists daemon-private/osd.X/foo), we'll get an EACCES -- that's because the monitor is using the client's msgr entity (e.g., client.12345) as the entity when expanding the caps profile, instead of osd.X.

Associated revisions

Revision 87544f68 - 02/12/2015 02:33 PM - Joao Eduardo Luis

mon: MonCap: take EntityName instead when expanding profiles

entity_name_t is tightly coupled to the messenger, while EntityName is tied to auth. When expanding profiles we want to tie the profile expansion to the entity that was authenticated. Otherwise we may incur in weird behavior such as having caps validation failing because a given client messenger inst does not match the auth entity it used.

e.g., running

```
ceph --name osd.0 config-key exists foo daemon-private/osd.X/foo
```

has entity_name_t 'client.12345' and EntityName 'osd.0'. Using entity_name_t during profile expansion would not allow the client access to daemon-private/osd.X/foo (client.12345 != osd.X).

Fixes: #10844

Backport: firefly,giant

Signed-off-by: Joao Eduardo Luis <joao@redhat.com>

Revision 8ef14fcc - 03/11/2015 07:36 AM - Joao Eduardo Luis

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Signed-off-by: Joao Eduardo Luis <joao@redhat.com>
(cherry picked from commit 87544f68b88fb3dd17c519de3119a9ad9ab21dfb)

Revision 4427358b - 03/18/2015 08:05 PM - Joao Eduardo Luis

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Backport: firefly,giant

Signed-off-by: Joao Eduardo Luis <joao@redhat.com>
(cherry picked from commit 87544f68b88fb3dd17c519de3119a9ad9ab21dfb)

History

#1 - 02/12/2015 12:07 AM - Joao Eduardo Luis

- Status changed from New to Need Review

<https://github.com/ceph/ceph/pull/3710>

#2 - 02/19/2015 07:01 PM - Sage Weil

- Status changed from Need Review to Pending Backport

#3 - 03/11/2015 12:30 AM - Loic Dachary

- firefly backport <https://github.com/ceph/ceph/pull/3942>

#4 - 03/17/2015 05:23 PM - Loic Dachary

- giant backport <https://github.com/ceph/ceph/pull/4052>

#5 - 03/26/2015 02:26 PM - Loic Dachary

[4427358](#) mon: MonCap: take EntityName instead when expanding profiles (in giant), [8ef14fc](#) mon: MonCap: take EntityName instead when expanding profiles (in firefly),

#6 - 03/26/2015 02:26 PM - Loic Dachary

- Status changed from Pending Backport to Resolved