rbd - Feature #1790

rbd: have a way of establishing configured mappings at boot time

12/06/2011 11:10 AM - Anonymous

Status:	Resolved	**% Done:**	0%
Priority:	Normal	**Spent time:**	1.00 hour
Assignee:			
Category:			
Target version:			
Source:		**Reviewed:**	
Tags:		**Affected Versions:**	
Backport:		**Pull request ID:**	

Description

We need to be careful about the config format, to make automatic editing easy (think Chef).

First draft:

/etc/ceph/rbd.d/NAME.conf is used as ceph.conf to map image called NAME.
You can drop in multiple .conf files in that directory.

Two major use cases:

1)
ln -s /etc/ceph/ceph.conf /etc/ceph/rbd.d/foo.conf
maps image "foo" at boot time with the main ceph.conf settings, with the keyrings configured there

2)
install -m0600 appropriate-keyring /etc/ceph/rbd.d/bar.keyring
cat >>/etc/ceph/rbd.d/bar.conf <<EOF
[global]
...
keyring = bar.keyring
EOF

History

#1 - 12/06/2011 11:56 PM - Wido den Hollander

What if your image is not in the pool "rbd" ?

I was thinking about a 'rbdtab' file:

```
#Monitor(s)            #Args                                    #Pool          #Image
192.168.1.6            id=admin,secret=/etc/ceph/secret         rbd            alpha
192.168.1.6            id=admin,secret=/etc/ceph/secret         rbd2           beta
```

Wouldn't that be easier?

#2 - 12/07/2011 09:27 AM - Anonymous

Single-file configuration is more annoying to handle with automated tools, file-per-device gives you good atomicity on manipulating the configuration.

Your point about pools in very good. I originally thought of putting "[rbd foo]" etc inside the config file, but I'm really hesitant to add special-purpose, more dynamic, fields/sections into the config file, and feel this is on a different level from ceph.conf anyway.

Perhaps /etc/ceph/rbd.d/ANYTHINGUNIQUEHERE.conf with contents like

image = NAME   # maybe leave out to take from name of conf file
pool = notrbd   # leave out for default "rbd"
id = cephkeythatcanmaprbd # leave out for default "admin"
config = /etc/ceph/non-default-ceph.conf   # leave out for default

#3 - 06/29/2012 11:48 AM - Sage Weil

- Project changed from Ceph to rbd

#4 - 06/25/2013 01:05 AM - Loic Dachary

For the record : Add rc script for rbd map/unmap

#5 - 09/27/2013 01:15 PM - Josh Durgin

- Status changed from New to Resolved

commit:a4ddf704868832e119d7949e96fe35ab1920f06a