

Issues

auth: unable to find a keyring

It is not possible to create ceph OSD neither from WebUI nor cmdline:

```
pveceph osd create /dev/sdc
```

```
Running command: /bin/ceph --cluster ceph --name client.bootstrap-osd --
keyring /var/lib/ceph/bootstrap-osd/ceph.keyring mon getmap -o
/var/lib/ceph/osd/ceph-2/activate.monmap
stderr: 2021-01-28T10:21:24.996+0100 7fd1a848f700 -1 auth: unable to find a
keyring on /etc/pve/priv/ceph.client.bootstrap-osd.keyring: (2) No such file
or directory
2021-01-28T10:21:24.996+0100 7fd1a848f700 -1 AuthRegistry(0x7fd1a0059030) no
keyring found at /etc/pve/priv/ceph.client.bootstrap-osd.keyring, disabling
cephx
```

[/etc/pve/ceph.conf](#)

```
[client]
    keyring = /etc/pve/priv/$cluster.$name.keyring

[mds]
    keyring = /var/lib/ceph/mds/ceph-$id/keyring
```

ceph.conf Variables

- **\$cluster** - cluster name. For proxmox it is ceph
- **\$type** - daemon process mds osd mon
- **\$id** - daemon or client identifier. For osd.0 it is 0
- **\$host** - hostname where the process is running
- **\$name** - Expands to \$type.\$id. I.e: osd.2 or client.bootstrap
- **\$pid** - Expands to daemon pid

SOLUTION:

```
cp /var/lib/ceph/bootstrap-osd/ceph.keyring
/etc/pve/priv/ceph.client.bootstrap-osd.keyring
```

alternative to try: change ceph.conf

Unit -.mount is masked.

```
Running command: /usr/bin/systemctl start ceph-osd@2
stderr: Failed to start ceph-osd@2.service: Unit -.mount is masked.
```

```
--> RuntimeError: command returned non-zero exit status: 1
```

It was caused by gparsed which wasn't correctly shutdown.

- [Unit -.mount is masked](#)
- [gparsed should not mask .mount units](#)
- <https://unix.stackexchange.com/questions/533933/systemd-cant-unmask-root-mount-mount/548996>

Solution:

```
systemctl --runtime unmask -- -.mount
```

To list runtime masked units:

```
ls -l /var/run/systemd/system | grep mount | grep '/dev/null' | cut -d ' ' -f 11
```

To unescape systemd unit names:

```
systemd-escape -u 'rpool-data-basevol\x2d800\x2ddisk\x2d0.mount'
```

lock on rbd

```
root@pve1:~# rbd lock ls vm-201-disk-0
```

There is 1 exclusive lock on this image.

Locker	ID	Address
client.310904979	auto 18446462598732841336	192.168.28.237:0/4057457529

```
root@pve1:~# rbd lock remove vm-201-disk-0 "auto 18446462598732841336"
client.310904979
```

mons are allowing insecure global_id reclaim

After CEPH security update, CEPH status show health warning

[Ceph Nautilus and Octopus Security Update for "insecure global_id reclaim" CVE-2021-20288](#)

```
ceph config set mon auth_allow_insecure_global_id_reclaim false
```

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