### 1、检查内核版本是否是3.10? centos是否是7.0以上?

```
a, uname -a
```

b. lsb\_release -a

### 2、检查库的配置是否开启?

若未开启,通过网址https://wiki.centos.org/AdditionalResources/Repositories实现开启

## 3、选择安装docker的方法: 使用设置repository库 - 安装docker

a、安装yum-utils包,提供使用yum-config-manager程序 sudo yum install -y yum-utils

#### b、加入docker的库

sudo yum-config-manager -add-repo https://download.docker.com/linux/centos/docker-ce.repo

#### c、安装docker引擎

sudo yum install -y docker-ce docker-ce-cli containerd.io

#### d、启动docker

sudo systemctl start docker

问题: 启动不了, 并提示Dependency failed for Docker Application Container Engine.

```
-- Unit containerd.service has finished shutting down.
Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ systemd[1]: Starting containerd container runtime...
-- Subject: Unit containerd.service has begun start-up
-- Defined-By: systemd
-- Support: https://access.redhat.com/support
-- Unit containerd.service has begun starting up.
Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ containerd[5900]: /usr/bin/containerd: symbol lookup error: /usr/bin/containerd: undefined symbol: seccomp_api_set
Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ systemd[1]: containerd.service: Main process exited, code=exited, status=127/n/a
Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ systemd[1]: containerd.service: Failed with result 'exit-code'.
Oct 09 11:18:23 iZm5eiOrqtxqadlp7st1syZ systemd[1]: Failed to start containerd container runtime.
-- Subject: Unit containerd.service has failed
-- Defined-By: systemd
-- Support: https://access.redhat.com/support
-- Unit containerd.service has failed.
-- The result is RESULT.
Oct 09 11:18:24 iZm5ei0rqtxqadlp7st1syZ systemd[1]: containerd.service: Service RestartSec=100ms expired, scheduling restart.
Oct 09 11:18:24 iZm5eiOrqtxqadlp7st1syZ systemd[1]: containerd.service: Scheduled restart job, restart counter is at 5.
-- Subject: Automatic restarting of a unit has been scheduled
-- Defined-By: systemd
-- Support: https://access.redhat.com/support
-- Automatic restarting of the unit containerd.service has been scheduled, as the result for
-- the configured Restart= setting for the unit.
Oct 09 11:18:24 iZm5ei0rqtxqadlp7st1syZ systemd[1]: Stopped containerd container runtime.
-- Subject: Unit containerd.service has finished shutting down
-- Defined-By: systemd
-- Support: https://access.redhat.com/support
-- Unit containerd.service has finished shutting down.
Oct 09 11:18:24 iZm5ei0rqtxqadlp7st1syZ systemd[1]: containerd.service: Start request repeated too quickly.
Oct 09 11:18:24 iZm5ei0rqtxqadlp7st1syZ systemd[1]: Failed to start containerd container runtime.
-- Subject: Unit containerd.service has failed
  Defined-By: systemd
  Support: https://access.redhat.com/support
  Unit containerd.service has failed.
```

## 错误的图片

分析: 从错误的图片中可以看到是containerd启动出错了, 那么从containerd中查找问题

抓住关键词:未定义标识seccomp\_api\_set,百度下好像和库libseccomp有关

```
-- Unit containerd.service has begun starting up.
Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ containera
```

Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ containerd[5900]: /usr/bin/containerd: symbol lookup error: /usr/bin/containerd: undefined symbol: seccomp\_api\_set Oct 09 11:18:23 iZm5ei0rqtxqadlp7st1syZ systemd[1]: containerd.service: Main process exited, code=exited, status=127/n/a

抱着试试看的态度,安装了libseccomp库,再启动就ok了(\*^▽^\*)

ps: 用ldd -r /usr/bin/containerd 命令查看了containerd依赖的库,发现也存在libseccomp的软连接ldd命令是显示可执行模块的dependency

# 4、创建docker组,用于管理docker是非root用户

a, sudo groupadd docker

b、sudo usermod -aG docker \$USER # 追加可运行docker的用户

c、newgrp docker # 更新权限

d、docker run hello-world:验证没有sudo是否可以执行docker命令

# 5、实现开机自启docker

sudo systemctl enable docker 或者: sudo chkconfig docker on