2024年10月9日 22:23

```
进程迁移: (非常的玄学,不行就重开,成功了马上截图,因为第二次就会有bug了)
```

```
• 允许作为程序执行文件
```

```
test2glest2-virtual-machine:/s sudo mount 192:168.91.135:/home /home
[sudo] test2 即是第:

test2glest2-virtual-machine:/s l
bin/ dev/ tnitrd.imgê lost-found/ nfs/ root/ snap/ im/ vmlinuzg
ofrom/ home/ llb/ media/ opt/ run/ srv/ usr/
test2glest2-virtual-machine:/s ls
bin dev tnitrd.img llbdd nnt proc sbin sys var
bloot etc intrd.img.old lost-found nfs root snap im/ vmlinuzg
ofrom home llb/ lost-found nfs root snap im/ vmlinuzg
ofrom home llb/ lost-found nfs root snap im/ vmlinuzg
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ofrom home llb/ lost-found nfs root snap im/ vmlinuzg
ofrom home llb/ lost-found nfs root snap im/ vmlinuz
```

```
test2程test2-virtual-nachine:/f cd home test2程test2-virtual-nachine:/homes cd test1 test2程test2-virtual-nachine:/homes cd test1 test2程test2-virtual-nachine:/home/test15 is 振版 文档 桌面 checkpoint file nest.log Unitled 1.odt 提模 下面 camples.destop test.cut 公共的 图片 面标 1.0dt 2.0dt 2.0d
```

```
週到问题,链接库版本不一样: 重新开了个虚拟机 保证链接库版本一样
testigtesti-virtual-machine:-5 {s - t /llb/x86_64-llnux-gnu/llbc.so.6
lnuxrarux i root root 12 10月 9 15:34 /llb/x86_64-llnux-gnu/llbc.so.6 -> llbc.
-23.16
```

迁移到另一台主机的进程

test3gtest3-virtual-nachine:-/集面/vwware-tools-distrib\$ sudo nount 192.108.91.1 r35;/hone /hone

```
Test3gest3-virtual-machine:/home/test1
test3gest3-virtual-nachine:/home/test3 tall test.out
test3gest3-virtual-nachine:/home/test3 tall test.out
trail on not permitted
trow (crity-cr-restore-c.1800): Restoring FALED.
trow(crity-crity-crity-c.): Restoring FALED.
trow(crity-crity-crity-c.): Restoring FALED.
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```

容器热迁移:

命令不行的。 都加上sudo给权限重试几次

* 如果所有操作报错不允许,直接csdn搜保存信息开权限,还是不行就要加上sudo,有些

镜像拉取:

需要pull—个busybox的镜像, 因为容器要基于busybox运行, 但是不能直接pull busybox。从一个镜像站pull, https://docker.aityp.com/i/search?search=busyboxigoogle_vignette
直接找到下载命令docker pull swr.cn=north=4.myhuaweicloud.com/ddn=

docker pull swr.cn-north-4.myhuaweicloud.com/ddnk8s/registry.k8s.io/e2e-test-images/busybox:1.29-4

检测是否拉取到了 docker images查看是

```
Itestiatesti-vitual-nachine:-$ docker pull swr.cn-north-4.myhuawetcloud.com/ddn-k8s/registry.k8s.lo/e2e-test-inages/busybox:1.29-4
[.j.-94: ] nulling from ddn-k8s/registry.k8s.lo/e2e-test-inages/busybox

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdfse2fifccace95aff5600071e27731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdf96aff5600071e2773731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdf96aff5600071e274731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdf96aff5600071e274731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdf96aff5600071e274731sebd233bdf94add8034c

Digett: shaziso-7ddddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd233bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd213bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd213bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd21bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd21bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd21bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274731sebd21bdf94add8034c

Digett: shaziso-7dddn8se4bdf96aff600071e274bd96aff6000071e274500071e274600071e274600071e274600071e274600071e
```

容器创建:

 docker run - d --name looper2 --security-opt seccomp:unconfined busybox /bin/sh -c 'i=0; while true; do echo \$i; i=\$(expr \$i + 1); sleep 1; done' (这个是教程上的命令会报错,因为我们下 载的根本不是busybox名字的镜像,上面的docker images查看了),需要复制名字替 换掉,还需要加上版本号1.29-4

```
testigtest:-virtual-machine:-$ docker run -d --name looper2 --security-opt seccomp:unconfined busybox /bin/sh -c 'l=8; while true; do echo $1; l=$(expr $l + 1); sleep 1; done' busybox:latest' locally

cestigtest:-virtual-machine:-$ docker lnages

EFFOSITON'

SWY.COn-north -4.myhuawelcloud.com/ddn-k8s/registry.k8s.lo/eze-test-lmages/busybox 1.29-4

d59-67598268 5 years ago 1.15M8

testigtesti-virtual-machine:-$ docker run -d --name looper2 --security-opt seccomp:unconfined swr.cn-north-4.myhuawelcloud.com/ddn-k8s/registry.k8s.lo/eze-test-lmages/busybox:1.29-4 /bin/sh -c 'l=0; while true; do echo $1; l=$(expr $l + 1); sleep 1; don

8. dockedabby713a660228460basf771ce49afcsad1b5es407574e0e0ee4d01e

testigtesti-virtual-machine:-$ 1
```

• checkpoint:

- 。 先暂停容器: docker pause looper2
- 。 开启实验属性
 - 。 按照教程sudo echo "{\"experimental\": true}" >> /etc/docker/daemon.json 会报错,因为这个docker文件根本没有权限打开

 - o sudo systemctl daemon-reload

restart报错

- o sudo systemctl restart docker 如果restart报错,可能就是上面搞错了,可以直接sudo gedit /etc/docker/daemon.json修改
- 。 检查是否开启 docker info ,但是可能会抽风显示没开启,上面的步骤重试几次

```
testi@testi-virtual-machine:-$ sudo systemctl restart docker testsi@testi-virtual-machine:-$ sudo gedit /etc/docker/daemon.json (gedit:eps23): Gtk-MARNING **: Calling Inhibit falled: GDBus.Error:org.freedesktop.DBus.Error.ServiceUnknown: The name org.gnome.SessionManage *** (gedit:9923): MARNING **: Set document metadata falled: 不支持设置属性 metadata::gedit-spell-enabled *** (gedit:9923): MARNING **: Set document metadata falled: 不支持设置属性 metadata::gedit-encoding *** (gedit:9124): MARNING **: Set document metadata falled: 不支持设置属性 metadata::gedit-encoding *** (gedit:9124): MARNING **: Set document metadata falled: 不支持设置属性 metadata::gedit-encoding *** (gedit:9124): MARNING **: Set document metadata falled: 不支持设置属性 metadata::gedit-encoding *** (gedit:9124): MARNING ***
```

• 确认容器状态

- 。 上面刚刚暂停的容器开起来 (直接csdn)
- 。 检查容器状态 docker ps -a
- 检查容器里面是不是有一个计数的进程(刚刚创建容器时候跑起来的), docker top looper2

testigtesti-virtual-machine:-5 sudo systemcti restart docker
testigtesti-virtual-machine:-5 sudo systemcti restart docker
testigtesti-virtual-machine:-5 docker unpause looper2
from fresponse from deemon: Container 188904edabbb713a46622b46baaf1711ce49afc5ad1b5e5407574ededee4d03e is not paused
testigtesti-virtual-machine:-5 docker ps -a

COMMAND

CREATED

STATUS

PORTS

NAMES

18804edabbb

serice-north-4.nyhuawelcloud.com/ddn-k8s/registry.k8s.lo/e2e-test-images/busybox:1.29-4 "/bin/sh -c '(=0; ..." 9 minutes ago

Exited (137) 5 minutes ago

Looper2

```
testigest:-virtual-anchine:-5 sudo systemati restart docker
testigest:-virtual-anchine:-5 sudo systemati restart docker
testigest:-virtual-anchine:-5 sudo systemati restart docker
testigest:-virtual-anchine:-5 docker top
demon: Contrainer 38950+dedbbb713+ded222b46ba41711ce49afc5ad1b5e5497574e6dee4dd3e is not paused

COMMAND

CREATED

STATUS

PORTS

NAMES

100per2

Lognificati-virtual-anchine:-5 docker top
docker top (contrainer)
docker top --help'.

Usage: docker top --help'.

Usage: docker top --help'.

Usage: docker top (contrainer)
docker top (contr
```

设置checkpoint



另一台: 具体根据教程,需要做出修改的地方和上面差不多

- nfs挂载: 注意注意挂载完后挂载文件的具体位置要和原机器上的具体位置一样, 教程把原机器的home挂到了现在的nfs/home下面, 容器热迁移会不会错不知道, 但是进程热迁移一定错
 - 。 在教程中挂载部分具体要修改的就是挂载位置和ip
 - 。 IP:用ifconfig查看,192开头那个就是,把教程里面所有服务器和客户端的ip换成实际 两台机器的ip
 - 。 在客户端挂载时,挂载位置不是nfs/home,是/home(挂载完可以进home目录看看是 不是挂载好了,cd ls操作)

拉取镜像

Got permission denied while trying to connect to the booker daemon socket at unit x://uar/un/docker_sock: Post hits://%xFyanzZerumkFadecer_sock/u.3@/inages/cr eate?fronImageswr.cn-north-4.myNuaweicloud.com%Zfddn-k8s%ZFregistry.k8s.lo%ZFe2 e-test-tmagesXZPbusyboxktag=1.29-4: dtal unitx/var/run/docker_sock: connect: per mission denied.

estäßtest3-virtual-machine:-5 sudo usermod -aG docker test3
estäßtest3-virtual-machine:-5 systemcil restart docker
estäßtest3-virtual-machine:-5 systemcil restart docker
estäßtest3-virtual-machine:-5 chodd 660 /mar/run/docker.sock
estäßtest3-virtual-machine:-5 sudo chond 666 /mar/run/docker.sock
estäßtest3-virtual-machine:-5 docker pull swr.cn.north-4.myhuswetcloud.com/ddnestäßtest3-virtual-machine:-5 docker pull swr.cn.north-4.myhuswetcloud.com/ddnestäßtest3-virtual-machine:-5 docker pull swr.cn.north-4.myhuswetcloud.com/ddnestäßtest3-virtual-machine:-1 docker-test-inages/busybox:1.29-4
estäßtest3-virtual-machine:-1 docker-test-inages/busybox
estäßtest3-virtual-machine:-1 docker-test-inages/busybox:1.29-4
estäßtest3-virtual-machine:-1 docker-test-inages/busybox:1.29-4
estäßtest3-virtual-machine:-1 docker-test-inages/busybox:1.29-4
estäßtest3-virtual-machine:-1 docker-test-inages/busybox:1.29-4

• 创建克隆容器

les:Ightest3-virtual-machine:/S suid docker create --name looper-clone --security-opt seccomp:unconfined swr.cn-north-4.myhuawelcloud.com/ddn-M8s/registry.k8s.lo/e2e-test-inages/busybox:1:29-4 /bin/sh -c 'l=8; while true; do echo Si; l=5(expr Si + 1); erp 1; dock-dobsc/36aab8fes495d2aed435994fbc058d714170928c74db888d58
fc26e4c0b5c920aab8fes495d2aed435994fbc058d714170928c74db888d58
fc26e4c0b5c920aab8fes495d2aed435994fbc058d714170928c74db888d58
fc26e4c0b5c920aab8fes495d2aed435994fbc058d714170928c74db888d58

• 迁移成功: 可以看到从92开始打印,接上上面打印到91了

testigitesti-virtual-machine:/home/containers_sudo_docker_start --checkpoint-dir-/home/container/388954edabbb713a46622546baaf1771ce93afc53d1b5e5487574e6e0ee4d93e/checkpoints/ --checkpoint-checkpoint-leckpoint-lockpoint-checkpoint-lockpoint-checkpoint-lockpoint-checkpoint-lockpoint-chec

