# kylin-v10安装docker和docker-compose

## 预先检查下linux上是否有docker和docker-compose还有podman

which docker  
which docker-compose  
which podman

podman会导致docker无法运行，需要卸载podman

当然也要确认podman没有被使用

podman ps -a

yum remove podman -y

查看cpu类型

arch

## 安装docker和docker-compose

首先去下载docker和docker-compose 根据cpu类型下载 https://download.docker.com/linux/static/stable/

本次选择x86\_64

https://github.com/docker/compose/releases

选择linux 64的

获取之后将文件上传到服务器上

## 将二进制复制到系统的bin目录下

解压docker安装包并将二进制复制到系统bin目录下

tar -zxf docker-24.0.9.tgz  
mv docker/\* /usr/bin/

mv docker-compose-linux-x86\_64 /usr/bin/docker-compose  
chmod +x /usr/bin/docker-compose

## 编辑systemd文件

vi /usr/lib/systemd/system/docker.service

[Unit]  
Description=Docker Application Container Engine  
Documentation=https://docs.docker.com  
After=network-online.target nss-lookup.target docker.socket firewalld.service containerd.service time-set.target  
Wants=network-online.target containerd.service  
Requires=docker.socket  
  
[Service]  
Type=notify  
# the default is not to use systemd for cgroups because the delegate issues still  
# exists and systemd currently does not support the cgroup feature set required  
# for containers run by docker  
ExecStart=/usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock  
ExecReload=/bin/kill -s HUP $MAINPID  
TimeoutStartSec=0  
RestartSec=2  
Restart=always  
  
# Note that StartLimit\* options were moved from "Service" to "Unit" in systemd 229.  
# Both the old, and new location are accepted by systemd 229 and up, so using the old location  
# to make them work for either version of systemd.  
StartLimitBurst=3  
  
# Note that StartLimitInterval was renamed to StartLimitIntervalSec in systemd 230.  
# Both the old, and new name are accepted by systemd 230 and up, so using the old name to make  
# this option work for either version of systemd.  
StartLimitInterval=60s  
  
# Having non-zero Limit\*s causes performance problems due to accounting overhead  
# in the kernel. We recommend using cgroups to do container-local accounting.  
LimitNPROC=infinity  
LimitCORE=infinity  
  
# Comment TasksMax if your systemd version does not support it.  
# Only systemd 226 and above support this option.  
TasksMax=infinity  
  
# set delegate yes so that systemd does not reset the cgroups of docker containers  
Delegate=yes  
  
# kill only the docker process, not all processes in the cgroup  
KillMode=process  
OOMScoreAdjust=-500  
  
[Install]  
WantedBy=multi-user.target

## 添加docker用户组

groupadd docker  
usermod -aG docker 用户1 用户2  
usermod -aG docker root

## 创建daemon.json文件

vi /etc/daemon.json

内容如下

{  
 "registry-mirrors": ["https://registry.docker-cn.com"],  
 "exec-opts": ["native.cgroupdriver=systemd"]  
}

## 启动docker

systemctl daemon-reload  
systemctl enable docker  
systemctl start docker  
systemctl status docker

## 测试docker是否安装成功

docker run hello-world