内网安装docker环境

● 在为期两天的部署过程当中遇到的一些问题和docker环境的部署的记录

防火墙

- 切记: 首先关闭防火墙,不然容器访问会报错,血的教训!!!
- 执行 systemctl stop firewalld.service
- 永久禁用防火墙, 执行 systemctl disable firewalld.service
- 如果是先安装的docker,再停止防火墙,切记要重启docker!!!!, 执行 systemctl restart docker

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• 从 https://download.docker.com/linux/static/stable/x86_64/下载docker压缩包

Index of linux/static/stable/x86_64/

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docker-17.03.0-ce.tgz
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docker-17.03.1-ce.tgz
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docker-18.03.0-ce.tgz
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docker-18.06.3-ce.tgz
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docker-18.09.7.tgz
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docker-18.09.9.tgz
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2020-08-04 23:43:25 60.3 MiB
docker-19.03.0.tgz
docker-19.03.1.tgz
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docker-19.03.11.tgz
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2020-10-22 19:52:49 59.3 MiB
docker-19.03.13.tqz
docker-19.03.14.tgz
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docker-19.03.15.tgz
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docker-19.03.2.tgz
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docker-19.03.3.tgz
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docker-20.10.0.tgz
docker-20.10.1.tgz
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docker-20.10.10.tgz
docker-20.10.11.tgz
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docker-20.10.12.tgz
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docker-20.10.13.tgz
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```

- 将文件解压, 执行 tar -zxvf docker-18.06.3-ce.tgz
- 将解压出来的文件复制到 /usr/bin, 执行 docker cp docker/** /usr/bin
- 进入 /etc/systemd/system, 创建docker.service文件, 插入一下内容

```
1 [Unit]
2 Description=Docker Application Container Engine
```

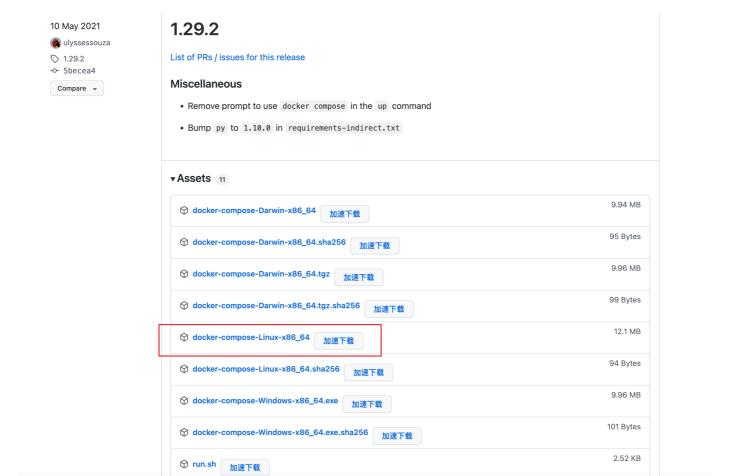
```
Documentation=https://docs.docker.com
   After=network-online.target firewalld.service
   Wants=network-online.target
7
   [Service]
8
   Type=notify
9
   # the default is not to use systemd for cgroups because the delegate issues still
   # exists and systemd currently does not support the cgroup feature set required
10
   # for containers run by docker
11
   ExecStart=/usr/bin/dockerd --selinux-enabled=false --insecure-registry=自己服务器IP
12
   ExecReload=/bin/kill -s HUP $MAINPID
13
   # Having non-zero Limit*s causes performance problems due to accounting overhead
14
15 | # in the kernel. We recommend using cgroups to do container-local accounting.
   LimitNOFILE=infinity
16
   LimitNPROC=infinity
17
18 LimitCORE=infinity
   # Uncomment TasksMax if your systemd version supports it.
19
20
   # Only systemd 226 and above support this version.
   #TasksMax=infinity
21
22
   TimeoutStartSec=0
23
   # set delegate yes so that systemd does not reset the cgroups of docker containers
24
   Delegate=yes
   # kill only the docker process, not all processes in the cgroup
25
2.6
   KillMode=process
   # restart the docker process if it exits prematurely
27
28
   Restart=on-failure
   StartLimitBurst=3
29
30
   StartLimitInterval=60s
31
32
   [Install]
33
   WantedBy=multi-user.target
```

- 重新加载文件,执行 systemctl daemon-reload
- 设置docker开机启动,执行 systemctl enable docker.service
- 安装完毕,最后查看docker是否起来,执行 systemctl status docker

安装docker-compose环境

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● 从 https://github.com/docker/compose/releases/选择对应的版本,下载压缩包



- 将下载下来的文件拷贝到 /usr/lcoal/bin 目录下,修改为docker-compose。执行 mv docker-compose-Linux-x86_64 /usr/local/bin/docker-compose
- 赋予权限, 执行 chmod 777 docker-compose
- 执行 docker-compose version, 如果报错,显示未找到 docker-compose 命令
- 执行 ln -s /usr/local/bin/docker-compose /usr/bin/docker-compose
 - 警告:不要使用相对地址,一定要使用绝对地址。血的教训!!!
 - ▲: 如果看到软连接的目录或者命令显示红色,一直在跳动,说明没执行成功,或者执行的对象不存在,请检查命令
- 再次执行 docker-compose version, 就可以查看到docker-compose的版本了