搭建etcd集群 (2台机器也可以运行,生产还是建议3台) 选择本次机器编号 141 148 146

关闭防火墙,禁止开机启动(开发环境)

systemctl stop firewalld.service systemctl disable firewalld.service

打开外网2379端口,内网2380端口(同时配置阿里云防火墙控制台)

安装etcd

yum install etcd -y

创建etcd系统用户:

sudo groupadd --system etcd

sudo useradd -s /sbin/nologin --system -g etcd etcd

将/var/lib/etcd/目录所有权设置为etcd用户:

sudo chown -R etcd:etcd /var/lib/etcd/

etcd.x86_64 0:3.3.11-2.el7.centos

配置etcd版本

vim /etc/profile

export ETCDCTL_API=3

source /etc/profile

清理etcd目录文件

rm -rf /var/lib/etcd/default.etcd/*

本次部署集群采用静态发现 (预先配置)

节点名称 ip

master10.0.0.148对外开放2379,内网开放2380node110.0.0.141对外开放2379,内网开放2380node210.0.0.146对外开放2379,内网开放2380

etcd 集群配置

vim /etc/etcd/etcd.conf

master节点ectd 配置

- 1 #[Member]
- 2 ETCD_DATA_DIR="/var/lib/etcd/default.etcd"
- 3 ETCD_LISTEN_PEER_URLS="http://0.0.0.0:2380"
- 4 ETCD_LISTEN_CLIENT_URLS="http://0.0.0.0:2379"
- 5 ETCD_NAME="master"
- 6 #
- 7 #[Clustering]
- 8 ETCD_INITIAL_ADVERTISE_PEER_URLS="http://localhost:2380"
- 9 ETCD_ADVERTISE_CLIENT_URLS="http://10.0.0.148:2379"
- ${\tt 10} \quad \textbf{ETCD_INITIAL_CLUSTER="master=http://localhost:2380, node1=http://10.0.0.141:2380, node2=http://10.0.0.0.141:2380, node2=http://10.0.0.141:2380, node2=http://10.0.0$
- 11 ETCD_INITIAL_CLUSTER_TOKEN="etcd-cluster"
- 12 ETCD_INITIAL_CLUSTER_STATE="new"

nodel节点配置

node2节点配置

```
#[Member]
ETCD_DATA_DIR="/var/lib/etcd/default.etcd"

ETCD_LISTEN_PEER_URLS="http://0.0.0.0:2380"

ETCD_LISTEN_CLIENT_URLS="http://0.0.0.0:2379"

ETCD_NAME="node2"

#
#[Clustering]
ETCD_INITIAL_ADVERTISE_PEER_URLS="http://localhost:2380"

ETCD_ADVERTISE_CLIENT_URLS="http://lo.0.0.146:2379"

ETCD_INITIAL_CLUSTER="master=http://10.0.0.148:2380,node1=http://10.0.0.141:2380,node2=http://localhost:DINITIAL_CLUSTER_TOKEN="etcd-cluster"

ETCD_INITIAL_CLUSTER_TOKEN="etcd-cluster"
```

每台机器上启动etcd

systemctl daemon-reload systemctl enable etcd systemctl start etcd

查看集群成员信息

etcdctl member list

查看当前节点状态

v3

etcdctl --write-out=table endpoint status

v2

etcdctl cluster-health

查看集群状态

etcdctl --write-out=table --endpoints=10.211.55.141:2379,10.211.55.146:2379,10.211.55.148:2379 endpoint status

集群检查检查

etcdctl --write-out=table --endpoints=10.211.55.141:2379,10.211.55.146:2379,10.211.55.148:2379 endpoint health

10.10.10.141:2379 is healthy: successfully committed proposal: took = 2.663904ms 10.10.10.146:2379 is healthy: successfully committed proposal: took = 2.615449ms 10.10.10.148:2379 is healthy: successfully committed proposal: took = 2.651264ms

在master上执行
etcdctl put hello yangq
etcdctl get hello
在其他节点上执行
etcdctl get hello

在任意副本节点指向 etcdctl put world qiangy etcdctl get world 在其他节点执行 etcdctl get world

使用部署:

export ETCDCTL_API=3 export ETCDV3_SERVER_URL=http://10.211.55.141:2379,http://10.211.55.146:2379,http://10.211.55.148:2379

部署参考

https://etcd.io/docs/v3.1.12/demo/