[root@room9pc01 ~]# yum -y install screen.x86\_64 //分屏

[root@node1 ~]# screen

Ctrl+a shift+s

一、部署Openstack

1、基础环境准备

1)禁用 selinux

2)卸载 firewalld

3)卸载 NetworkManager

4)配置主机IP地址

5)配置主机yum客户端

6)创建cinder-volumes的卷组

7)导入公钥

8)安装依赖的软件包

配置yum客户端

[root@node1 ~]# cd /etc/yum.repos.d/

[root@node1 yum.repos.d]# vim local.repo

gpgcheck=1

[root@node1 yum.repos.d]# yum clean all

导入公钥

—安装openstack期间,系统会要求密钥验证

—我们手工导入系统密钥

—密钥文件在光盘中提供

[root@room9pc01 ~]# cd /var/ftp/yum-iso/

[root@room9pc01 yum-iso]# ll

-rw-rw-r-- 3 root root 1690 12月 10 2015 RPM-GPG-KEY-CentOS-7

[root@room9pc01 yum-iso]# scp RPM-GPG-KEY-CentOS-7 192.168.1.10:/root

[root@node1 ~]# rpm --import RPM-GPG-KEY-CentOS-7

[root@node1 ~]# yum repolist

[root@room9pc01 ~]# cd /var/ftp

[root@room9pc01 ftp]# mkdir rhel7-extras

[root@room9pc01 ftp]# mkdir rhel7osp-10

[root@room9pc01 ftp]# vim /etc/fstab

/iso/RHEL7-extras.iso /var/ftp/rhel7-extras iso9660 defaults 0 0

/iso/RHEL7OSP-10.iso /var/ftp/rhel7osp-10 iso9660 defaults 0 0

[root@room9pc01 ftp]# mount -a

[root@room9pc01 ftp]# df -h

/dev/loop1 169M 169M 0 100% /var/ftp/rhel7-extras

/dev/loop2 3.0G 3.0G 0 100% /var/ftp/rhel7osp-10

[root@node1 yum.repos.d]# vim local.repo

[vbr]

name=vbr

baseurl=ftp://172.40.58.73/yum-iso

enabled=1

gpgcheck=1

[rhel7-extras]

name=rhel7-extras

baseurl=ftp://172.40.58.73/rhel7-extras

enabled=1

gpgcheck=0

[devtools]

name=devtools

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-openstack-10-devtools-rpms

enabled=1

gpgcheck=0

[optools]

name=optools

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-openstack-10-optools-rpms

enabled=1

gpgcheck=0

[openstack]

name=openstack

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-openstack-10-rpms

enabled=1

gpgcheck=0

[tools]

name=tools

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-openstack-10-tools-rpms

enabled=1

gpgcheck=0

[mon]

name=mon

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhceph-2-mon-rpms

enabled=1

gpgcheck=0

[osd]

name=osd

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhceph-2-osd-rpms

enabled=1

gpgcheck=0

[tools-2]

name=tools-2

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhceph-2-tools-rpms

enabled=1

gpgcheck=0

[agent]

name=agent

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhscon-2-agent-rpms

enabled=1

gpgcheck=0

[installer]

name=installer

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhscon-2-installer-rpms

enabled=1

gpgcheck=0

[rhscon-2-main]

name=rhscon-2-main

baseurl=ftp://172.40.58.73/rhel7osp-10/rhel-7-server-rhscon-2-main-rpms

enabled=1

gpgcheck=0

[root@node1 yum.repos.d]# yum repolist

repolist: 10,731

修给/etc/hosts配置文件,让机器可以互相ping通

[root@node1 ~]# vim /etc/hosts

192.168.1.11 node2

初始化openstack的卷存储,卷组名称必须叫cinder-volumes

[root@node1 ~]# yum -y install lvm2

[root@node1 ~]# pvcreate /dev/vdb

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[root@node1 ~]# fdisk /dev/vdb

Command (m for help): p

Device Boot Start End Blocks Id System

/dev/vdb1 \* 2048 33554431 16776192 83 Linux

Command (m for help): d 83

Command (m for help): w

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[root@node1 ~]# vgcreate cinder-volumes /dev/vdb

[root@node1 ~]# vgs

VG #PV #LV #SN Attr VSize VFree

cinder-volumes 1 0 0 wz--n- <20.00g <20.00g

安装openstack依赖的软件包

[root@node1 ~]# yum install -y qemu-kvm libvirt-client libvirt-daemon libvirt-daemon-driver-qemu python-setuptools

安装openstack工具包

[root@node1 ~]# yum install -y openstack-packstack //安装完成后会出现puppet-firewall.noarch包

[root@node1 ~]# vim /etc/selinux/config

SELINUX=disabled

[root@node1 ~]# rpm -qa | grep firewall

[root@node1 ~]# yum -y remove firewalld-\* python-firewall.noarch

[root@node1 ~]# yum -y remove NetworkManager

[root@node1 ~]# rpm -qa | grep network

dracut-network-033-502.el7.x86\_64

libvirt-daemon-driver-network-3.2.0-14.el7.x86\_64

[root@node1 ~]# ping 192.168.1.11 //保证ping通

[root@node1 ~]# ping 192.168.2.11 //保证ping通

[root@node2 ~]# vim /etc/selinux/config

SELINUX=disabled

[root@node2 ~]# rpm -qa | grep firewall

[root@node2 ~]# yum -y remove firewalld-\* python-firewall.noarch

[root@node2 ~]# yum -y remove NetworkManager

[root@node2 ~]# rpm -qa | grep network

dracut-network-033-502.el7.x86\_64

libvirt-daemon-driver-network-3.2.0-14.el7.x86\_64

安装openstack

[root@node1 ~]# yum install -y openstack-packstack //安装完成后会出现puppet-firewall.noarch包

[root@node1 ~]# packstack --gen-answer-file answer.ini

[root@node1 ~]# vim answer.ini

11 CONFIG\_DEFAULT\_PASSWORD=Taren1 // 默认密码

42 CONFIG\_SWIFT\_INSTALL=n // 外接存储没有

75 CONFIG\_NTP\_SERVERS=192.168.1.254 // NTP server 地址192.168.1.254

98 CONFIG\_COMPUTE\_HOSTS=192.168.1.10,192.168.1.11 //本机ip地址，计算节点的ip地址

102 CONFIG\_NETWORK\_HOSTS=192.168.1.10,192.168.1.11 //网络ip地址

554 CONFIG\_CINDER\_VOLUMES\_CREATE=n // 创建

840 CONFIG\_NEUTRON\_ML2\_TYPE\_DRIVERS=flat,vxlan

876 CONFIG\_NEUTRON\_ML2\_VXLAN\_GROUP=239.1.1.5 //配置用于通讯的主播地址239.1.1.5

910 CONFIG\_NEUTRON\_OVS\_BRIDGE\_MAPPINGS=physnet1:br-ex //桥映射

921 CONFIG\_NEUTRON\_OVS\_BRIDGE\_IFACES=br-ex:eth0

936 CONFIG\_NEUTRON\_OVS\_TUNNEL\_IF=eth1

1179 CONFIG\_PROVISION\_DEMO=n //测试

安装openstack

[root@node1 ~]# packstack --answer-file=answer.ini