OpenStack Ansible AIO on AWS

Kirk S. Kalvar

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Absolute minimum server resources (currently used for gate checks):

8 vCPU’s

16 GB RAM

80 GB free disk space on the root partition

ubuntu trusty 14.04 ami-2d39803a

create-aws-instance openstack-ansible ami-2d39803a c3.2xlarge ubuntu scripts/openstack-ansible/openstack-ansible

aws ec2 request-spot-fleet --spot-fleet-request-config file://config.json

sudo -i

apt-get update

apt-get -y dist-upgrade

apt-get install -y git vim

# Install OpenStack Ansible (AIO)

cd /opt

git clone https://git.openstack.org/openstack/openstack-ansible

cd /opt/openstack-ansible

#list all existing tags

git tag -l

# describe current tag

git describe --abbrev=0 --tags

#checkout latest stable

git checkout stable/mitaka

git branch

# reboot

reboot

# install OpenStack AIO

sudo -i

cd /opt/openstack-ansible

scripts/bootstrap-ansible.sh

scripts/bootstrap-aio.sh

tmux

time scripts/run-playbooks.sh

# add tools path

cd /openstack/venvs/neutron\*/bin

export PATH=$PATH:`pwd`

# set environment

source ~/openrc

# example attaching to a container

lxc-ls -f

lxc-attach -n aio1\_utility\_container-\*

# import image

source /root/openrc

wget http://download.cirros-cloud.net/0.3.1/cirros-0.3.1-x86\_64-disk.img

glance --os-image-api-version 1 image-create --name='cirros image' --is-public true --container-format=bare --disk-format=qcow2 < cirros-0.3.1-x86\_64-disk.img

# show current network

neutron net-list

# create GREEN network

neutron net-create GREEN

neutron subnet-create --name 10\_10\_10 GREEN 10.10.10.0/24

neutron net-list

# create RED network

neutron net-create RED

neutron subnet-create --name 20\_10\_10 RED 20.10.10.0/24

neutron net-list

# create router

neutron router-create EXT\_VR

# add subnet to router

neutron router-interface-add <EXT\_VR router id> 10\_10\_10

neutron router-interface-add <EXT\_VR router id> 20\_10\_10

# add external network

neutron net-create ext --shared --router:external=True

neutron subnet-create ext-net --name ext-subnet \

--allocation-pool start=FLOATING\_IP\_START,end=FLOATING\_IP\_END \

--disable-dhcp --gateway EXTERNAL\_NETWORK\_GATEWAY EXTERNAL\_NETWORK\_CIDR

neutron subnet-create ext --name ext-subnet --disable-dhcp --gateway 172.31.48.1 172.31.48.0/20

# set gateway

neutron router-gateway-set EXT\_VR ext

# floating ips

neutron floatingip-create ext

neutron floatingip-associate <floating id> <external id>

neutron floatingip-associate a17af0fa-39f4-4e4c-8e33-65864a16700a 390a495f-7b96-4e82-8a97-830d2a3e7c51