

背景

环境通过Kolla安装，是一个分布式环境。

具体的环境信息如下：

- 1 OpenStack web地址: 172.24.9.198, admin/ruijie123
- 2 集群IP: 172.24.9.11-13,14-30, 其中 11-13 是 controller 节点（包括其它模块）
- 3 日志搜集地址: Rsyslog ip: 172.21.128.21. root/123456. 日志目录: /var/log/r
- 4 对接的存储: NetApp, 172.24.2.50, admin/netapp123

一、如何执行CLI命令

Kolla安装的OpenStack没有stack用户，在控制节点的root用户下刷新环境变量即可！

如果没有环境变量的配置文件可以在前台下载

有的环境cinder命令不能使用，请使用openstack系列命令代替

```
[root@node2 ~]# cinder list
ERROR: publicURL endpoint for volumev3 service not found
```

二、如何进入docker容器

Kolla通过容器部署OpenStack，进入相应容器方法如下：

- 1 #查询所有容器
- 2 docker ps
- 3 #进入容器环境
- 4 docker exec -it cinder_api bash
- 5 #重启容器
- 6 docker restart cinder_api

控制节点下，有以下四个关于cinder的容器

```
[root@node3 cinder-api]# docker ps|grep cinder
311f1cbb878e 172.24.9.11:4000/lokolla/centos-source-cinder-backup:4.0.0 "kolla_start" 2 weeks ago Up 26 hours cinder_backup
067427a3dad2 172.24.9.11:4000/lokolla/centos-source-cinder-volume:4.0.0 "kolla_start" 2 weeks ago Up 49 minutes cinder_volume
ae368bb64ba7 172.24.9.11:4000/lokolla/centos-source-cinder-scheduler:4.0.0 "kolla_start" 2 weeks ago Up 26 hours cinder_scheduler
d3bc48f4a990 172.24.9.11:4000/lokolla/centos-source-cinder-api:4.0.0 "kolla_start" 2 weeks ago Up 26 hours cinder_api
```

三、配置文件位置

据说是在/etc/kolla目录下，该玩调用命令会自动同步。

```
[root@node1 ~]# ll /etc/kolla/
total 188
drwxr-xr-x 2 root root 4096 Apr 25 18:49 cinder-api
drwxr-xr-x 2 root root 4096 Apr 24 17:03 cinder-backup
drwxr-xr-x 2 root root 4096 Apr 24 17:03 cinder-scheduler
drwxr-xr-x 2 root root 4096 Apr 25 18:49 cinder-volume
drwxr-xr-x 6 root root 4096 Apr 24 19:44 config
drwxr-xr-x 3 root root 4096 Apr 23 12:33 cron
drwxr-xr-x 6 root root 4096 Apr 23 12:33 fluentd
drwxr-xr-x 2 root root 4096 Apr 25 16:45 glance-api
drwxr-xr-x 2 root root 4096 Apr 24 16:03 glance-registry
-rw-r--r-- 1 root root 11109 Apr 25 11:06 globals.yml
drwxr-xr-x 2 root root 4096 Apr 24 16:00 haproxy
drwxr-xr-x 2 root root 4096 Apr 24 16:08 heat-api
drwxr-xr-x 2 root root 4096 Apr 24 16:08 heat-api-cfn
drwxr-xr-x 2 root root 4096 Apr 24 16:08 heat-engine
drwxr-xr-x 2 root root 4096 Apr 24 16:08 horizon
drwxr-xr-x 2 root root 4096 Apr 23 13:43 iscsid
drwxr-xr-x 2 root root 4096 Apr 23 12:34 keepalived
drwxr-xr-x 2 root root 4096 Apr 24 16:02 keystone
drwxr-xr-x 2 root root 4096 Apr 23 12:33 kolla-toolbox
drwxr-xr-x 2 root root 4096 Apr 25 16:54 mariadb
drwxr-xr-x 2 root root 4096 Apr 23 12:34 memcached
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-dhcp-agent
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-l3-agent
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-lbaas-agent
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-metadata-agent
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-openvswitch-agent
drwxr-xr-x 2 root root 4096 Apr 25 11:15 neutron-server
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-api
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-compute
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-conductor
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-consoleauth
drwxr-xr-x 2 root root 4096 Apr 23 13:46 nova-libvirt
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-novncproxy
drwxr-xr-x 2 root root 4096 Apr 24 17:04 nova-scheduler
drwxr-xr-x 2 root root 4096 Apr 23 13:46 nova-ssh
drwxr-xr-x 2 root root 4096 Apr 23 13:48 openvswitch-db-server
drwxr-xr-x 2 root root 4096 Apr 23 13:48 openvswitch-vswitchd
-rw-r--r-- 1 root root 23188 Apr 10 09:39 passwords.yml
drwxr-xr-x 2 root root 4096 Apr 24 17:04 placement-api
drwxr-xr-x 2 root root 4096 Apr 24 16:02 rabbitmq
```

四、不小心误删了日志文件

执行/clean.sh重建日志文件

五、定制配置项的添加

向/etc/kolla/XXX/XXX.conf添加额外配置项时，如果重新部署容器，配置项会消失，需要将配置加入扩展配置文件中。

扩展配置文件位置：/etc/kolla/config/cinder（如果没有对应文件可以直接创建）

```
[root@node1 cinder]# ll
total 12
-rw-r--r-- 1 root root 70 Apr 25 18:02 cinder-api.conf
-rw-r--r-- 1 root root 23 May 2 18:55 cinder-backup.conf
-rw-r--r-- 1 root root 889 May 1 18:34 cinder-volume.conf
```

六、节点本地日志位置

日志收集器RSysLog只保留一天的日志，如果需要查看一天之前的日志可以到节点本地查看。

本地日志目录：`/var/lib/docker/volumes/kolla_logs/_data`

七、批量修改配置

下发主节点的配置文件而不重启：`kolla-ansible genconfig`

下发配置并重启：`kolla-ansible reconfigure -i ~/multinode -t cinder`

`kolla-ansible reconfigure -i ~/multinode -t cinder --skip-t skipping`

八、用户密码和用户名

```
/etc/kolla/password.yml
```