# kolla部署——cinder配置（lvm场景）

kolla部署的容器场景，主要分控制节点和计算节点。控制节点主要有cinder\_scheduler（资源调度），cinder\_api（api入口）。计算节点主要有cinder\_backup（计算服务）, cinder\_volume（和lvm打交道），tgtd（iscsi服务器端），iscsid(iscsi的客户端)。

# cinder.conf

## Kolla 默认配置项

[DEFAULT]

debug = False

log\_dir = /var/log/kolla/cinder

# X-Forwarded-For 作为规范的远程地址，只有在你用了代理的时候，才配置为true

use\_forwarded\_for = true

use\_stderr = False

#不部署v1的cinder api

enable\_v1\_api = false

# api服务的后台worker进程数量

osapi\_volume\_workers = 5

#块设备的模板名称规范

volume\_name\_template = volume-%s

#镜像服务的api地址，这里有创建虚拟机的时候直接在cinder volume中创建的场景

glance\_api\_servers = http://192.168.102.15:9292

glance\_num\_retries = 1

# glance的api版本

glance\_api\_version = 2

#该节点所在的region名称，一般一个机房会划分一个region。每个region有自己独立的#endpoint，regions之间完全隔离，但是多个regions之间共享同一个keystone和dashboard。

os\_region\_name = RegionOne

#后台backend的名称，后面也有个专门的lvm-1块的配置

enabled\_backends = lvm-1

#backip的驱动，这里是nfs，可以是swift，rbd等

backup\_driver = cinder.backup.drivers.nfs

#nfs 客户端的挂载options

backup\_mount\_options =

# Base dir containing mount point for NFS share. (string value)

backup\_mount\_point\_base = /var/lib/cinder/backup

# NFS share in hostname:path, ipv4addr:path, or "[ipv6addr]:path" format.

backup\_share =

#单个备份文件的最大字节数

backup\_file\_size = 327680000

#OpenStack volume api的监听ip

osapi\_volume\_listen = 192.168.102.15

#OpenStack volume api的监听端口

osapi\_volume\_listen\_port = 8776

#api服务的paste.deploy配置文件的名称

api\_paste\_config = /etc/cinder/api-paste.ini

#nova的服务目录，默认是compute:nova:publicURL

nova\_catalog\_info = compute:nova:internalURL

#认证策略

auth\_strategy = keystone

#消息中间的连接

transport\_url = rabbit://openstack:cYhhGc6Gj0XMmY1p4Spj83Ms7cafzYT4wdM6y6d9@192.168.102.15:5672,openstack:cYhhGc6Gj0XMmY1p4Spj83Ms7cafzYT4wdM6y6d9@192.168.102.21:5672

[oslo\_messaging\_notifications]

#配置为noop代表不通知消息

driver = noop

[database]

#数据库连接配置

connection = mysql+pymysql://cinder:Z1MQI69ptJHvPOQoFqUu9sWIEcNI61irUYnN0LxJ@192.168.102.47:3306/cinder

#连接失败重试次数，-1代表不受限

max\_retries = -1

[keystone\_authtoken]

#keystone相关的认证配置

auth\_uri = http://192.168.102.47:5000

auth\_url = http://192.168.102.47:35357

auth\_type = password

project\_domain\_id = default

user\_domain\_id = default

project\_name = service

username = cinder

password = lofs3x6eNyE5vdUObbOcFNUca1xNpYBN8IujUdyf

memcache\_security\_strategy = ENCRYPT

memcache\_secret\_key = WqfQMiQZ3ZZ7NeAoVwcL8k9ECHm5RgZgSr9VgpBZ

memcached\_servers = 192.168.102.15:11211

[oslo\_concurrency]

#锁文件路径，只写权限

lock\_path = /var/lib/cinder/tmp

[lvm-1]

#lvm的vg名称

volume\_group = cinder-volumes

#volume的驱动

volume\_driver = cinder.volume.drivers.lvm.LVMVolumeDriver

#The backend name for a given driver implementation

volume\_backend\_name = lvm-1

#iSCSI target用户端工具

#Allowed values: tgtadm, lioadm, scstadmin, iscsictl, ietadm, fake

iscsi\_helper = tgtadm

#iscsi协议

iscsi\_protocol = iscsi

[privsep\_entrypoint]

helper\_command = sudo cinder-rootwrap /etc/cinder/rootwrap.conf privsep-helper --config-file /etc/cinder/cinder.conf

## 其他重要配置项

参考 <https://docs.openstack.org/ocata/config-reference/block-storage/samples/cinder.conf.html>