



链滴

OpenStack (Queens) 搭建之 Cinder-controller 节点

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来源网站: [链滴](#)

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OpenStack (Queens) 搭建之Cinder-Controller节点

一：创建cinder数据库并授权

```
mysql -uroot -p
CREATE DATABASE cinder;
GRANT ALL PRIVILEGES ON cinder.* TO 'cinder'@
localhost IDENTIFIED BY 'cinder';
GRANT ALL PRIVILEGES ON cinder.* TO 'cinder'@'%' IDENTIFIED BY 'cinder';
```


二：安装cinder组件

```
yum install openstack-cinder -y
```


三：获取admin用户的环境变量，并创建服务认证

```
source /root/admin-openrc
```


四：创建cinder用户

```
openstack user create --domain default --password-pr
mpt cinder
User Password:
Repeat User Password:
```

```
+-----+
| Field      | Value                               |
+-----+
| domain_id  | default                             |
| enabled    | True                                 |
| id         | fdb0f541e28141719b6a43c8944bf1fb |
| name       | cinder                              |
| options    | {}                                  |
| password_expires_at | None                               |
+-----+
```

cinder密码随意写

```
</code> </pre>
```


五：把admin用户添加到cinder用户和项目

```
openstack role add --project service --user cinder adm
n
```


六：创建cinder服务

```
openstack service create --name cinderv2 \
--description "OpenStack Block Storage" volumev2
```

```
+-----+
| Field      | Value                               |
+-----+
| description | OpenStack Block Storage           |
| enabled    | True                               |
| id         | eb9fd245bdbc414695952e93f29fe3ac |
| name       | cinderv2                          |
| type       | volumev2                          |
+-----+
```

```
openstack service create --name cinderv3 <br>
```

```
--description "OpenStack Block Storage" volumev3<br>
```

```
+-----+<br>
```

```
| Field      | Value                                |<br>
```

```
+-----+<br>
```

```
| description | OpenStack Block Storage             |<br>
```

```
| enabled    | True                                |<br>
```

```
| id         | ab3bbbef780845a1a283490d281e7fda  |<br>
```

```
| name       | cinderv3                            |<br>
```

```
| type       | volumev3                            |<br>
```

```
+-----+</p>
```

```
</code><p><code class="language-shell"></code></pre><p></p>
```

```
<p>&nbsp;</p>
```

```
<h2 id="toc_h2_7">七: 创建镜像服务API端点</h2>
```

```
<pre><code class="language-shell">openstack endpoint create --region RegionOne \
  volumev2 public http://controller:8776/v2/%(project_id)s
```

```
+-----+<br>
```

```
| Field      | Value                                |
```

```
+-----+<br>
```

```
| enabled    | True                                |
```

```
| id         | 513e73819e14460fb904163f41ef3759  |
```

```
| interface  | public                              |
```

```
| region     | RegionOne                           |
```

```
| region_id  | RegionOne                           |
```

```
| service_id | eb9fd245bdbbc414695952e93f29fe3ac  |
```

```
| service_name | cinderv2                            |
```

```
| service_type | volumev2                            |
```

```
| url        | http://controller:8776/v2/%(project_id)s |
```

```
+-----+<br>
```

```
<p>openstack endpoint create --region RegionOne <br>
volumev2 internal http://controller:8776/v2/%(project_id)s<br>
```

```
+-----+<br>
```

```
| Field      | Value                                |<br>
```

```
+-----+<br>
```

```
| enabled    | True                                |<br>
```

```
| id         | 6436a8a23d014cfdb69c586eff146a32  |<br>
```

```
| interface  | internal                            |<br>
```

```
| region     | RegionOne                           |<br>
```

```
| region_id  | RegionOne                           |<br>
```

```
| service_id | eb9fd245bdbbc414695952e93f29fe3ac  |<br>
```

```
| service_name | cinderv2                            |<br>
```

```
| service_type | volumev2                            |<br>
```

```
| url        | http://controller:8776/v2/%(project_id)s |<br>
```

```
+-----+</p>
```

```
<p>openstack endpoint create --region RegionOne <br>
volumev2 admin http://controller:8776/v2/%(project_id)s<br>
```

```
+-----+<br>
```

```
| Field      | Value                                |<br>
```

```
+-----+<br>
```

```
| enabled    | True                                |<br>
```

```
| id         | e652cf84dd334f359ae9b045a2c91d96  |<br>
```

```
| interface  | admin                              |<br>
```

```
| region     | RegionOne                           |<br>
```

```
| region_id  | RegionOne                           |<br>
```

```
| service_id | eb9fd245bdbbc414695952e93f29fe3ac  |<br>
```

```

| service_name | cinderv2          |<br>
| service_type | volumev2           |<br>
| url          | http://controller:8776/v2/%(project_id)s |<br>
+-----+-----+ </p>
<p>openstack endpoint create --region RegionOne <br>
volumev3 public http://controller:8776/v3/%(project_id)s<br>
+-----+-----+ <br>
| Field      | Value                |<br>
+-----+-----+ <br>
| enabled    | True                 |<br>
| id         | 03fa2c90153546c295bf30ca86b1344b |<br>
| interface  | public              |<br>
| region     | RegionOne           |<br>
| region_id  | RegionOne           |<br>
| service_id | ab3bbbef780845a1a283490d281e7fda |<br>
| service_name | cinderv3            |<br>
| service_type | volumev3            |<br>
| url        | http://controller:8776/v3/%(project_id)s |<br>
+-----+-----+ </p>

```

```

<p>openstack endpoint create --region RegionOne <br>
volumev3 internal http://controller:8776/v3/%(project_id)s<br>
+-----+-----+ <br>
| Field      | Value                |<br>
+-----+-----+ <br>
| enabled    | True                 |<br>
| id         | 94f684395d1b41068c70e4ecb11364b2 |<br>
| interface  | internal             |<br>
| region     | RegionOne           |<br>
| region_id  | RegionOne           |<br>
| service_id | ab3bbbef780845a1a283490d281e7fda |<br>
| service_name | cinderv3            |<br>
| service_type | volumev3            |<br>
| url        | http://controller:8776/v3/%(project_id)s |<br>
+-----+-----+ </p>

```

```

</code> <p> <code class="language-shell">openstack endpoint create --region RegionOne
br>
volumev3 admin http://controller:8776/v3/%(project_id)s<br>
+-----+-----+ <br>
| Field      | Value                |<br>
+-----+-----+ <br>
| enabled    | True                 |<br>
| id         | 4511c28a0f9840c78bacb25f10f62c98 |<br>
| interface  | admin                |<br>
| region     | RegionOne           |<br>
| region_id  | RegionOne           |<br>
| service_id | ab3bbbef780845a1a283490d281e7fda |<br>
| service_name | cinderv3            |<br>
| service_type | volumev3            |<br>
| url        | http://controller:8776/v3/%(project_id)s |<br>
+-----+-----+ <br>

```

```

</code> </p> </pre> <p> </p>

```

```

<p>&nbsp;</p>

```

```

<h2 id="toc_h2_8">八： 编辑 /etc/cinder/cinder.conf, /etc/nova/nova.conf</h2>

```

```

<ul>

```

```

[root@controller ~]# egrep -v "^$|^#" /etc/cinder/c
nder.conf
[DEFAULT]
my_ip = 172.30.200.31
auth_strategy = keystone
transport_url = rabbit://openstack:openstack@controller
volume_clear = none
[database]
connection = mysql+pymysql://cinder:cinder@controller/cinder
[keystone_authtoken]
auth_uri = http://controller:5000
auth_url = http://controller:35357
memcached_servers = controller:11211
auth_type = password
project_domain_name = default
user_domain_name = default
project_name = service
username = cinder
password = cinder
token_cache_time = 3600
cache = true
[oslo_concurrency]
lock_path = /var/lib/cinder/tmp
#####
</code> <p> <code class="language-shell">添加下面配置到/etc/nova/nova.conf<br>
[cinder]<br>
os_region_name = RegionOne<br>
</code> </p> </pre> <p> </p>
</li>
</ul>
<p> &nbsp;</p>
<h2 id="toc_h2_9">九: 同步数据库</h2>
<pre> <code>su -s /bin/sh -c "cinder-manage db sync" cinder
</code> </pre>
<p> &nbsp;</p>
<h2 id="toc_h2_10">十: 重启compute API服务</h2>
<pre> <code>systemctl restart openstack-nova-api.service
</code> </pre>
<p> &nbsp;</p>
<h2 id="toc_h2_11">十一: 配置快存储服务开机启动</h2>
<pre> <code class="language-shell">systemctl enable openstack-cinder-api.service openstac
-cinder-scheduler.service
systemctl start openstack-cinder-api.service openstack-cinder-scheduler.service
</code> </pre>

```