

- 云计算

- OpenStack

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基础服务配置

Clone VM

```
virt-clone -o a260c73 -n 21base -f /var/lib/libvirt/images/21base.qcow2
```

Network

```
nmcli general hostname base.blue.edu

nmcli connection add type team ifname team0 con-name team0 config '{"runner": {"name": "activebackup", "hwaddr_policy": "by_active"}}'

nmcli connection modify team0 ipv4.method manual ipv4.addresses 192.168.1.90/24 ip
v4.gateway 192.168.1.1 ipv4.dns "192.168.1.90 119.29.29.29" ipv6.method ignore aut
oconnect yes

nmcli connection modify eth0 ipv6.method ignore autoconnect no
nmcli connection modify eth1 ipv6.method ignore autoconnect no

nmcli connection add type team-slave ifname eth0 con-name eth0 master team0
nmcli connection add type team-slave ifname eth1 con-name eth1 master team0
```

Yum

```
echo -e "[base]\nname=CentOS-\$releasever - Base\nbaseurl=http://192.168.0.250/centos/\$releasever/os/\$basearch/\nenabled=1\ngpgcheck=1\ngpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7\n\n" >> /etc/yum.repos.d/CentOS.repo

echo -e "[updates]\nname=CentOS-\$releasever - Updates\nbaseurl=http://192.168.0.250/centos/\$releasever/updates/\$basearch/\nenabled=1\ngpgcheck=1\ngpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7\n\n" >> /etc/yum.repos.d/CentOS.repo

echo -e "[extras]\nname=CentOS-\$releasever - Extras\nbaseurl=http://192.168.0.250/centos/\$releasever/extras/\$basearch/\nenabled=1\ngpgcheck=1\ngpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7\n\n" >> /etc/yum.repos.d/CentOS.repo

echo -e "[centosplus]\nname=CentOS-\$releasever - Plus\nbaseurl=http://192.168.0.250/centos/\$releasever/centosplus/\$basearch/\ngpgcheck=1\nenabled=1\ngpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7\n\n" >> /etc/yum.repos.d/CentOS.repo

echo -e "[centos-openstack-ocata]\nname=openstack_ocata\nbaseurl=http://192.168.0.250/centos/7/cloud/x86_64/openstack-ocata/\nenabled=1\ngpgcheck=0\n\n" >> /etc/yum.repos.d/OpenStack.repo
```

NTP Server

```
/etc/chrony.conf

allow 192.168.1/24      允许同步时间的子网
local stratum 10          本地时钟提供服务
```

```
cp /etc/chrony.conf /etc/chrony.conf.ds.bak
cat /etc/chrony.conf.ds.bak | grep -v ^# | uniq > /etc/chrony.conf
sed -i '/^server/d' /etc/chrony.conf
echo -e "allow 192.168.1.0/24\nlocal stratum 10" >> /etc/chrony.conf
```

```
systemctl enable chronyd
systemctl restart chronyd
```

```
chronyc sources -v
```

DNS Server

```
192.168.1.90 base.blue.edu
192.168.1.91 ctrl.blue.edu
```

```
192.168.1.92 com1.blue.edu
192.168.1.93 com2.blue.edu
```

```
192.168.1.94 cin1.blue.edu
192.168.1.95 cin2.blue.edu
```

```
192.168.1.96 swift1.blue.edu
192.168.1.97 swift2.blue.edu
```

```
yum install bind -y
```

```
cp /etc/named.conf /etc/named.conf.ds.bak  
  
sed -i "s/127.0.0.1/any/g" /etc/named.conf  
sed -i "s/localhost/any/g" /etc/named.conf  
sed -i '$a\zone "blue.edu." IN { \n          type master; \n          file "blue.ed\nu"; \n};' /etc/named.conf
```

```
echo -e "\$TTL 1D\n@      IN SOA base.blue.edu.      root.ctrl.blue.edu. (\n0      ; serial\n1D      ; refresh\n1H      ; retry\n1W      ; expire\n3\nH )    ; minimum\n      NS      base.blue.edu.\nbbase   A      192.168.1.90\nct\nrl   A      192.168.1.91\ncom1   A      192.168.1.92\ncom2   A      192.168.\n1.93\ncom1   A      192.168.1.94\ncom2   A      192.168.1.95\nswift\n1 A      192.168.1.96\nswift1  A      192.168.1.97\n" > /var/named/blue.edu  
chown named.named /var/named/blue.edu
```

```
systemctl enable named  
systemctl restart named  
systemctl status named
```

DB SQL

```
/etc/my.cnf.d/openstack.cnf  
  
[mysqld]  
bind-address = 192.168.1.90  
default-storage-engine = innodb  
innodb_file_per_table = on  
max_connections = 4096  
collation-server = utf8_general_ci  
character-set-server = utf8
```

```
yum install mariadb mariadb-server python2-PyMySQL
```

```
echo -e "[mysqld]\nbind-address = 192.168.1.90\ndefault-storage-engine = innodb\ninnodb_file_per_table = on\nmax_connections = 4096\ncollation-server = utf8_general_ci\ncharacter-set-server = utf8" > /etc/my.cnf.d/openstack.cnf
```

```
systemctl enable mariadb.service  
systemctl restart mariadb.service
```

```
mysql_secure_installation  
  
select user,host from mysql.user;
```

rabbitmq

```
yum install rabbitmq-server  
systemctl enable rabbitmq-server.service  
systemctl restart rabbitmq-server.service
```

```
rabbitmqctl add_user openstack RABBIT_PASS  
rabbitmqctl set_permissions openstack ".*" ".*" ".*"
```

```
rabbitmq-plugins enable rabbitmq_management  
登录: http://192.168.1.90:15672/  
账号: guest  
密码: guest
```

memcached

```
/etc/sysconfig/memcached  
OPTIONS="-l 127.0.0.1,:1,base.blue.edu"
```

```
yum install memcached python-memcached
```

```
cp /etc/sysconfig/memcached /etc/sysconfig/memcached.ds.bak  
sed -i '/OPTIONS=/d' /etc/sysconfig/memcached  
echo -e "OPTIONS=\"-l 127.0.0.1,:1,base.blue.edu\"" >> /etc/sysconfig/memcached
```

```
systemctl enable memcached.service  
systemctl restart memcached.service
```