```
apt-get install curl gcc memcached rsync sqlite3 xfsprogs
apt-get install git-core libffi-dev python-setuptools
apt-get install liberasurecode-dev libssl-dev
apt-get install python-coverage python-dev python-nose
apt-get install python-xattr python-eventlet
apt-get install python-xattr python-eventlet
apt-get install python-greenlet python-pastedeploy
apt-get install python-netifaces python-pip python-dnspython
apt-get install python-mock
cd /opt
git clone https://github.com/openstack/swift.git
cd /opt/swift
git checkout stable/train
pip install -r requirements.txt
python setup.py install
cd
mkdir -p /etc/swift
cd /opt/swift/etc
useradd swift
chown -R swift:swift /etc/swift
clear
cp account-server.conf-sample /etc/swift/account-server.conf
cp container-server.conf-sample /etc/swift/container-server.conf
cp object-server.conf-sample /etc/swift/object-server.conf
cp proxy-server.conf-sample /etc/swift/proxy-server.conf
cp swift.conf-sample /etc/swift/swift.conf
cp drive-audit.conf-sample /etc/swift/drive-audit.conf
cp rsyncd.conf-sample /etc/swift/rsyncd.conf
cp internal-client.conf-sample /etc/swift/internal-client.conf
cp container-reconciler.conf-sample /etc/swift/container-reconciler.conf
cp memcache.conf-sample /etc/swift/memcache.conf

swift-init -h
ls /sys/block

mkfs.xfs -f -L d1 /dev/vdb
mkfs.xfs -f -L d2 /dev/vdc
mkfs.xfs -f -L d3 /dev/vdd
mkfs.xfs -f -L d4 /dev/vde
mkfs.xfs -f -L d5 /dev/vdf
mkfs.xfs -f -L d6 /dev/vdg
mkfs.xfs -f -L d7 /dev/vdh
mkfs.xfs -f -L d8 /dev/vdi
mkfs.xfs -f -L d9 /dev/vdj
mkfs.xfs -f -L d10 /dev/vdk
mkfs.xfs -f -L d11 /dev/vdl
mkfs.xfs -f -L d12 /dev/vdm
```

```
mkfs.xfs -f -L d13 /dev/vdn
mkfs.xfs -f -L d14 /dev/vdo
Clear

mkdir -p /srv/node/d1
mkdir -p /srv/node/d2
mkdir -p /srv/node/d3
mkdir -p /srv/node/d4
mkdir -p /srv/node/d5
mkdir -p /srv/node/d6
mkdir -p /srv/node/d7
mkdir -p /srv/node/d8
mkdir -p /srv/node/d9
mkdir -p /srv/node/d10
mkdir -p /srv/node/d11
mkdir -p /srv/node/d12
mkdir -p /srv/node/d13
mkdir -p /srv/node/d14

mount -t xfs -o noatime,nodiratime,logbufs=8 -L d1 /srv/node/d1
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d2 /srv/node/d2
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d3 /srv/node/d3
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d4 /srv/node/d4
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d5 /srv/node/d5
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d6 /srv/node/d6
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d7 /srv/node/d7
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d8 /srv/node/d8
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d9 /srv/node/d9
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d10 /srv/node/d10
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d11 /srv/node/d11
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d12 /srv/node/d12
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d13 /srv/node/d13
mount -t xfs -o noatime,nodiratime,logbufs=8 -L d14 /srv/node/d14

chown -R swift:swift /srv/node
cd /opt/swift/bin
sudo vim mount_devices.sh
vim mount_devices.sh
apt install vim
sudo vim mount_devices.sh
crontab -e
@reboot sh /opt/swift/bin/mount_devices.sh

reboot
mount
clear
mount
cd /etc/swift
clear
```

```
swift-ring-builder account.builder create 3 3 1
swift-ring-builder container.builder create 3 3 1


swift-ring-builder object.builder create 3 3 1

swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d1 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d1 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d1 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d2 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d2 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d2 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d3 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d3 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d3 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d4 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d4 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d4 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d5 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d5 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d5 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d6 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d6 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d6 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d7 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d7 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d7 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d8 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d8 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d8 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d9 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d9 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d9 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d10 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d10 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d10 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d11 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d11 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d11 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d12 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d12 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d12 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d13 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d13 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d13 100
swift-ring-builder account.builder add r1z1-127.0.0.1:6002/d14 100
swift-ring-builder container.builder add r1z1-127.0.0.1:6001/d14 100
swift-ring-builder object.builder add r1z1-127.0.0.1:6000/d14 100
swift-ring-builder account.builder rebalance
```

```
swift-ring-builder container.builder rebalance
swift-ring-builder object.builder rebalance
156 clear
157 service memcached start
158 cd /etc/swift
159 vim swift.conf
160 vim proxy-server.conf
161 swift-init proxy start
162 vim account-server.conf
163 vim object-server.conf
164 vim container-server.conf
165 swift-init main start
166 mount
167 clear

curl -v -H 'X-Auth-User: admin:admin' -H 'X-Auth-Key: admin' http://localhost:8080/auth/v1.0/

curl -v -H 'X-Storage-Token: AUTH_tk2c844a033fdd4c22a39af3ace3de5802'
"http://127.0.0.1:8080/v1.0/AUTH_admin"

EC Setup:

cd /etc/swift
vim swift.conf

swift-ring-builder object-2.builder create 4 6 1



swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d1 100
swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d2 100
swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d3 100
swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d4 100
swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d5 100
swift-ring-builder object-2.builder add r1z1-127.0.0.1:6000/d6 100


swift-ring-builder object-2.builder rebalance

swift-init proxy start
swift-init main start
```