

Installing iarchive

```
sudo yum update
sudo hostnamectl set-hostname iarchive-centos
```

```
/etc/hosts
127.0.0.1 iarchive-centos localhost localhost.localdomain localhost4
localhost4.localdomain4
127.0.1.1 iarchive-centos
::1 iarchive-centos localhost localhost.localdomain localhost6
localhost6.localdomain6
```

```
<ip> alice-centos
<ip> bob-centos
<ip> iarchive-centos
```

```
sudo iptables -F
sudo iptables -A INPUT -i lo -j ACCEPT
sudo iptables -A INPUT -m conntrack --ctstate RELATED,ESTABLISHED -j
ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 22 -j ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 1247 -j ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 1248 -j ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 20000:20199 -j ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 2811 -j ACCEPT
sudo iptables -A INPUT -p tcp -m tcp --dport 50000:51000 -j ACCEPT
sudo iptables -A INPUT -p icmp -j ACCEPT
sudo iptables -A INPUT -j DROP
sudo iptables -P FORWARD DROP
```

```
sudo service iptables save
sudo reboot
```

```
sudo rpm --import https://packages.irods.org/irods-signing-key.asc
wget -qO - https://packages.irods.org/renci-irods.yum.repo | sudo tee /etc/
yum.repos.d/renci-irods.yum.repo
sudo yum install epel-release
sudo yum install irods-server
```

```
sudo python /var/lib/irods/scripts/setup_irods.py
```

```
Existing Group Detected: irods
Existing Account Detected: irods
```

Setting owner of /var/lib/irods to irods:irods

Setting owner of /etc/irods to irods:irods

iRODS server's role:

1. consumer

Zone name: aliceZone

iRODS catalog host: alice-centos

iRODS server port: 1247

iRODS port range (begin): 20000

iRODS port range (end): 20199

Control plane port: 1248

Schema validation base URI: file:///var/lib/irods/configuration_schemas

iRODS server administrator: alice