1. **安装gcc环境**

```
yum install gcc
```

2. Redis下载

官网下载地址：https://redis.io/download

```
cd /usr/local
wget http://download.redis.io/releases/redis-5.0.5.tar.gz
tar -zxvf redis-5.0.5.tar.gz -C /usr/local/
cd redis-5.0.5
```

3. 编译

```
make & make install
```

4. 创建节点

```
mkdir /usr/local/redis-cluster
cd /usr/local/redis-cluster
mkdir 7000 7001 7002 7003 7004 7005
cp /usr/local/redis-5.0.5/redis.conf /usr/local/redis-cluster/7000
```

5. 修改配置文件，先修改7000节点配置，其它节点复制7000配置内容

```
bind 0.0.0.0        //开启网络，保证外部可连接
port 7000           //每个节点的端口号
protected-mode no   //关闭保护模式
daemonize yes       //守护线程 ，后台运行redis
appendonly yes      //aof日志每一个操作都记录模式
cluster-enabled yes//开启集群模式
cluster-config-file nodes-7000.conf   //集群节点的配置
cluster-node-timeout 15000 //节点请求超时时间
dir /usr/local/redis-cluster/7000/ (指定数据文件存放位置，必须要指定不同的目录位置，不然会丢失数据)
```

```
cp /usr/local/redis-cluster/7000/redis.conf /usr/local/redis-cluster/7001
cp /usr/local/redis-cluster/7000/redis.conf /usr/local/redis-cluster/7002
cp /usr/local/redis-cluster/7000/redis.conf /usr/local/redis-cluster/7003
```

```
cp /usr/local/redis-cluster/7000/redis.conf /usr/local/redis-cluster/7004
cp /usr/local/redis-cluster/7000/redis.conf /usr/local/redis-cluster/7005
```

6. 启动节点

```
cd /usr/local/redis-5.0.5/src
redis-server /usr/local/redis-cluster/7000/redis.conf
redis-server /usr/local/redis-cluster/7001/redis.conf
redis-server /usr/local/redis-cluster/7002/redis.conf
redis-server /usr/local/redis-cluster/7003/redis.conf
redis-server /usr/local/redis-cluster/7004/redis.conf
redis-server /usr/local/redis-cluster/7005/redis.conf
```

验证是否成功

```
ps -ef | grep redis
//退出redis服务
pkill redis-server
kill 进程号
src/redis-cli shutdown
```

7. 防火墙开启

如果没有安装Firewall命令：

```
yum install firewalld firewalld-config
```

批量开启防火墙

```
firewall-cmd --zone=public --add-port=7000-7005/udp --permanent
firewall-cmd --zone=public --add-port=7000-7005/tcp --permanent
```

开启集群总线端口 （节点端口+10000）

```
firewall-cmd --zone=public --add-port=17000-17005/udp --permanent
firewall-cmd --zone=public --add-port=17000-17005/tcp --permanent
```

重启防火墙

```
firewall-cmd --reload
```

8. 创建集群，--cluster-replicas 1指定从库数量1

```
cd /usr/local/redis-5.0.5/src

//有密码
redis-cli -a 123123 --cluster create 192.168.10.122:7000 192.168.10.122:7001
192.168.10.122:7002 192.168.10.122:7003 192.168.10.122:7004
192.168.10.122:7005 --cluster-replicas 1
//无密码
redis-cli --cluster create 192.168.10.122:7000 192.168.10.122:7001
192.168.10.122:7002 192.168.10.122:7003 192.168.10.122:7004
192.168.10.122:7005 --cluster-replicas 1
```

9. 集群验证

cluster info（查看集群信息）、cluster nodes（查看节点列表）

```
//带密码登录
/usr/local/redis-5.0.5/src/redis-cli -a 密码 -c -h 192.168.10.122 -p 7000

//不带密码登录
/usr/local/redis-5.0.5/src/redis-cli -c -h 192.168.84.35 -p 8001
```

10. 参考链接

https://blog.csdn.net/weixin_30407099/article/details/102271026

https://blog.csdn.net/leilei1366615/article/details/104017906?
utm_medium=distribute.pc_relevant_right.none-task-blog-BlogCommendFromMachineLearnPai2-
4.nonecase&depth_1-utm_source=distribute.pc_relevant_right.none-task-blog-
BlogCommendFromMachineLearnPai2-4.nonecase