

Redis-Sentinel

installation on centos 7

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### **Step 1: Pre installation libraries for redis**

Ensure your system is updated before installing Redis:

yum install -y epel-release yum-utils centos-release-scl devtoolset-6-gcc devtoolset-7-gcc-c++ tcl wget

yum groupinstall 'Development Tools' -y

scl enable devtoolset-7 bash

### **Step 2: Download redis package**

### The latest version of Redis is available on official repository, download it by executing the command:

**Wget** <http://download.redis.io/releases/redis-6.0.12.tar.gz>

tar -xvzf redis-6.0.12.tar.gz

mv redis-6.0.12 /opt/redis

### **Step 3: Install Redis on CentOS 7**

After adding the repository, install latest Redis on CentOS 7 from the repository.

cd /opt/redis/

make ; make test

make install

Get more package details from:

$ redis-cli -h localhost

### **Step 4: Enable Port on CentOS 7**

Enable the port on system sentinel intercommunication.

sudo firewall-cmd --add-port=6379/tcp --permanent

sudo firewall-cmd --add-port=26379/tcp --permanent

sudo firewall-cmd --reload

### **Step 5: Enable Cluster config for Redis-sentinel Service**

For Redis-sentinel master-slave, we must change the following configuration in our setup

For Master node: vi /etc./redis.conf

bind IP\_ADDRESS

port 6379

requirepass prod@123

masterauth prod@123

For slave node: redis.conf

replicaof MASTER\_IP\_ADDRESS 6379

bind IP\_ADDRESS

port 6379

requirepass PASSWORD

masterauth PASSWORD

For All node: vi /etc/redis-sentinal.conf

bind IP\_ADDRESS

port 26379

monitor mymaster IP\_ADDRESS 6379 2

sentinel auth-pass mymaster prod123

Start sentinel service after making the changes

/opt/redis/src/redis-sentinel /opt/redis/sentinel.conf &

Check redis service status:

$ /opt/redis/src/redis-server /opt/redis/redis.conf &

Confirm that you can connect to redis:

$ redis-cli -h MASTER-HOST

MASTER-HOST:6379> auth PASSWORD

OK

MASTER-HOST:6379> info

# Replication

role:master

connected\_slaves:2

slave0:ip=SLAVE-IP-ADDRESS-1,

port=6379,state=online,offset=3024,lag=0

slave1:ip= SLAVE-IP-ADDRESS-2,

port=6379,state=online,offset=3024,lag=1

master\_replid:7d800cb5961f2dad6980603b49f3d4f0bda2caa2

master\_replid2:0000000000000000000000000000000000000000

master\_repl\_offset:3024

second\_repl\_offset:-1

repl\_backlog\_active:1

repl\_backlog\_size:1048576

repl\_backlog\_first\_byte\_offset