redis主从加哨兵docker搭建

1.redis主节点

1）创建redis.conf配置文件

|  |  |
| --- | --- |
| cd /root/springcloud/redis/single-redis1  vi redis.conf  粘贴下面这段   |  | | --- | | #端口号  port 8379  #ip地址  bind 172.18.44.120  #是否后台进行  daemonize no  pidfile "/var/run/redis.pid"  #是否开启集群模式  cluster-enabled no  #开启aof  appendonly yes  # Generated by CONFIG REWRITE  dir "/data" | |

2）运行docker命令

|  |
| --- |
| docker run --name redis-8379 --net=host -e TZ="Asia/Shanghai" -v /root/springcloud/redis/single-redis1:/data -v /root/springcloud/redis/single-redis1/redis.conf:/usr/local/etc/redis/redis.conf -v /root/springcloud/redis/single-redis1/sentinel.conf:/usr/local/etc/redis/sentinel.conf -d redis redis-server /usr/local/etc/redis/redis.conf |

2.redis从节点

1）创建redis.conf配置文件

|  |  |
| --- | --- |
| cd /root/springcloud/redis/single-redis1  vi redis.conf  粘贴下面这段   |  | | --- | | #端口号  port 8379  #ip地址  bind 172.18.44.128  #是否后台进行  daemonize no  pidfile "/var/run/redis.pid"  #是否开启集群模式  cluster-enabled no  #开启aof  appendonly yes  #指定主节点地址  slaveof 172.18.44.120 8379  # Generated by CONFIG REWRITE  dir "/data" | |

2）运行docker命令

|  |
| --- |
| docker run --name redis-8379 --net=host -e TZ="Asia/Shanghai" -v /root/springcloud/redis/single-redis2:/data -v /root/springcloud/redis/single-redis2/redis.conf:/usr/local/etc/redis/redis.conf -v /root/springcloud/redis/single-redis2/sentinel.conf:/usr/local/etc/redis/sentinel.conf -d redis redis-server /usr/local/etc/redis/redis.conf |

3.配置哨兵

1）创建sentinel.conf配置文件

|  |  |
| --- | --- |
| cd /root/springcloud/redis/sentinel  vi sentinel.conf  粘贴下面这段   |  | | --- | | port 26379  # 守护进程模式  daemonize no  # 关闭保护模式，在这种模式下，连接只接受回环接口，导致java客户端连接不上  protected-mode no  # 指明日志文件名 最好写绝对路劲  logfile "/root/springcloud/redis/sentinel/sentinel.log"  #哨兵监控的master，主从配置一样，这里只用输入redis主节点的ip/port和法定人数。  sentinel monitor mymaster 172.18.44.120 8379 2  # master或slave多长时间（默认30秒）不能使用后标记为s\_down状态。  sentinel down-after-milliseconds mymaster 30000  #若sentinel在该配置值内未能完成failover操作（即故障时master/slave自动切换），则认为本次failover失败。  sentinel failover-timeout mymaster 18000 | |

2）构建docker镜像

|  |  |
| --- | --- |
| cd /root/springcloud/redis/sentinel  vi Dockerfile  粘贴下面这段   |  | | --- | | FROM centos:7  VOLUME /root/springcloud/redis/sentinel  # 配置容器启动后执⾏的命令  ENTRYPOINT ["/root/springcloud/redis/sentinel/redis-sentinel","/root/springcloud/redis/sentinel/sentinel.conf"] |   运行下面命令构建镜像  docker build -t sentinel . |

3）运行docker命令

|  |
| --- |
| docker run --name sentinel1 --net=host -e TZ="Asia/Shanghai" -v /root/springcloud/redis/sentinel:/root/springcloud/redis/sentinel -d sentinel |

在另外一台机器上重复上面操作，配置多个哨兵防止单点故障