Title: Redis Cluster Docker Compose

Post Body:

I'm struggling to create a Docker Compose to create a Redis Cluster. I saw that there is a Redis Cluster image from Bitnami, I tried but it my Spring Boot App cannot connect to it due to the below error:

I tried another approach is to create 2 Redis instances master-slave and I can connect to it. Now I'm trying to create 6 Redis Instances and later create a Redis Cluster with 3 master and 3 slaves with the following command:

```
redis-cli --cluster create 127.0.0.1:6380 127.0.0.1:6381 \ 127.0.0.1:6382 127.0.0.1:6383 127.0.0.1:6384 127.0.0.1:6385 --clust
```

But when I executed the command it said that

```
Could not connect to Redis at 127.0.0.1:6380: Connection refused
```

Below is my current Docker-compose.yaml:

```
version: '3.8' services:   redis-node-0:     image: redis:latest     container_name: redis-0     ports:       - "6380:6379"
```

I'm totally new to Both Docker and Redis, I'm learning so any help would be really appreciated. Thanks in advance.

Accepted Answer: None

Highest Rated Answer:

The way to do this is not obvious, because Redis Cluster doesn't easily work with Docker bridge networking. The simplest way to setup a single-node cluster is to cheat and bind it to 127.0.0.1:

```
version: '3.8'  services:   redis-single-node-cluster:     image: docker.io/bitnami/redis-cluster:7.0     environment:       -
```

You can then connect to it with this Spring Boot config:

```
spring:   redis:     cluster:       nodes: [localhost:6379]     ssl: false
```

If you want to setup multiple nodes, you'll have to create a custom network and assign static IPs. You'll probably also have to set `network_mode: host`.