



链滴

使用 Docker 部署 Mongodb 集群后项目中的连接问题

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来源网站: 链滴

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问题

CentOS 7 + docker + mongodb 4.4.4 部署了一个 mongodb 集群，然后在项目(Java-springboot 中去连接 mongodb 进行数据的读写，出现如下提示：

```
2021-05-12 13:42:33.003 INFO 17864 --- [io-8084-exec-10] org.mongodb.driver.cluster
: Cluster created with settings {hosts=[121.*.*.56:27017], mode=MULTIPLE, requiredCluster
ype=UNKNOWN, serverSelectionTimeout='30000 ms', maxWaitQueueSize=1500000}
2021-05-12 13:42:33.003 INFO 17864 --- [io-8084-exec-10] org.mongodb.driver.cluster
: Adding discovered server 121.*.*.56:27017 to client view of cluster
2021-05-12 13:42:33.006 INFO 17864 --- [io-8084-exec-10] org.mongodb.driver.cluster
: No server chosen by WritableServerSelector from cluster description ClusterDescription{t
pe=UNKNOWN, connectionMode=MULTIPLE, serverDescriptions=[ServerDescription{adres
=121.36.16.56:27017, type=UNKNOWN, state=CONNECTING}]]. Waiting for 30000 ms before
iming out
2021-05-12 13:42:33.108 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.connection
: Opened connection [connectionId{localValue:985, serverValue:377}] to 121.*.*.56:27017
2021-05-12 13:42:33.133 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Monitor thread successfully connected to server with description ServerDescription{address=
21.*.*.56:27017, type=REPLICA_SET_PRIMARY, state=CONNECTED, ok=true, version=ServerVe
sion{versionList=[4, 4, 4]}, minWireVersion=0, maxWireVersion=9, maxDocumentSize=16777
16, roundTripTimeNanos=25262872, setName='mongoreplset', canonicalAddress=172.17.0.4:
7017, hosts=[172.17.0.4:27017, 121.*.*.103:27017, 172.17.0.6:27017], passives=[], arbiters=[], p
imary='172.17.0.4:27017', tagSet=TagSet[]}, electionId=7fffffff000000000000000024, setVersio
=2, lastWriteDate=Wed May 12 13:42:42 CST 2021, lastUpdateTimeNanos=533944664886564

2021-05-12 13:42:33.134 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Discovered cluster type of REPLICA_SET
2021-05-12 13:42:33.134 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Adding discovered server 172.17.0.4:27017 to client view of cluster
2021-05-12 13:42:33.135 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Adding discovered server 121.*.*.103:27017 to client view of cluster
2021-05-12 13:42:33.136 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Adding discovered server 172.17.0.6:27017 to client view of cluster
2021-05-12 13:42:33.137 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Server 121.*.*.56:27017 is no longer a member of the replica set. Removing from client view o
cluster.
2021-05-12 13:42:33.137 INFO 17864 --- [.*.*.56:27017] org.mongodb.driver.cluster      :
Canonical address 172.17.0.4:27017 does not match server address. Removing 121.36.16.56:2
017 from client view of cluster
2021-05-12 13:42:34.212 INFO 17864 --- [.*.*.103:27017] org.mongodb.driver.cluster      :
Exception in monitor thread while connecting to server 121.*.*.103:27017
```

进入 mongodb 容器中，查看当前 rs.conf()

```
mongoreplset:PRIMARY> rs.conf()
{
  "_id" : "mongoreplset",
  "version" : 2,
  "term" : 36,
  "protocolVersion" : NumberLong(1),
  "writeConcernMajorityJournalDefault" : true,
  "members" : [
```

```

{
  "_id" : 0,
  "host" : "172.17.0.4:27017",
  "arbiterOnly" : false,
  "buildIndexes" : true,
  "hidden" : false,
  "priority" : 1,
  "tags" : {

  },
  "slaveDelay" : NumberLong(0),
  "votes" : 1
},
{
  "_id" : 1,
  "host" : "172.17.0.6:27017",
  "arbiterOnly" : false,
  "buildIndexes" : true,
  "hidden" : false,
  "priority" : 1,
  "tags" : {

  },
  "slaveDelay" : NumberLong(0),
  "votes" : 1
},
...

```

可以看到现在的复制集中使用的是非外网 IP 配置的，此时，在项目中连接时就会出现上面的连接问题。

后来重新部署，然后将其中的 host 换为服务器 IP:port 后，就可以正常连接读写数据了。

问题：

是否只能如此配置外网 ip?

如果配置宿主机内的 ip，应该如何配置才能不报错，是不是需要配置 宿主机上的 hosts 映射到内网 ip?