

1.

es

es

roleshard

3master-eligiblerole2shard2

a.

- 

esrole

- 

index.number\_of\_replicas1shard

node.masterfalsemaster-eligible

master-eligible

node.masterfalsemaster-eligible

rolemaster-eligiblerole

- **+tiebreaker**

tiebreakermaster-eligible

mastermaster-elibble

tiebreakermaster-eligibletiebreaker

role

+tiebreaker

- 

index

master-eligible

- 

data nodes ingest nodes machine learning nodes

master-eligible3

master-eligible

master

- 

cluster health status green

data nodes

shard

master-eligible

b.

eszone

cross-cluster search cross-cluster replicationlink

whole-zonesharddata nodeszoneshard allocation awareness

nodezone

- **two-zone**

zonezonemaster-eligible

master-eligiblezone1zone2master-eligible

- **two-zone+tiebreaker**

two-zonemaster-eligible

zonemaster-eligible

zonemaster-eligible  
shard allocation awareness

tiebreaker zone cluster

- **zone**

zonemaster-eligible  
shard allocation awareness

- 

cluster health status green

zonedata nodes

indexshard

shard allocation awareness

master-eligible