**Elasticsearch优化**

1. 内存优化**(系统内存的50%，最大32G)**

-Xmx8g -Xms8g

1. 禁止交换区和最大映射文件数（/etc/sysctl.conf）

vm.swappiness=1

net.core.somaxconn=65535

vm.max\_map\_count=262144

fs.file-max=518144

1. 内存锁定以及文件句柄优化（/etc/security/limits.conf）

user soft nofile 65536

user hard nofile 131072

user soft nproc 2048

user hard nproc 4096

user soft memlock unlimited

user hard memlock unlimited

1. 索引刷新时间

PUT /my\_logs

{

"settings": {

"refresh\_interval": "30s"

}

}

PUT /my\_index/\_settings

{

"index.translog.durability": "async",

"index.translog.sync\_interval": "5s"

}

1. 集群单播优化(elasticsearch.yml)

# ---------------------------------- Cluster -----------------------------------

cluster.name: elasticsearch

# ------------------------------------ Node ------------------------------------

node.name: elasticsearch-node1

# ----------------------------------- Paths ------------------------------------

# ----------------------------------- Memory -----------------------------------

bootstrap.memory\_lock: true

bootstrap.system\_call\_filter:false

# ---------------------------------- Network -----------------------------------

# network.host: 192.168.0.1

http.port: 9200

http.compression: true

transport.tcp.port: 9300

transport.tcp.compress: true

http.cors.enabled: true

http.cors.allow-origin: "\*"

# --------------------------------- Discovery ----------------------------------

#discovery.zen.minimum\_master\_nodes: 3

discovery.zen.ping\_timeout: 10s

discovery.zen.fd.ping\_retries: 3

discovery.zen.fd.ping\_interval: 3s

discovery.zen.fd.ping\_timeout: 30s

# ---------------------------------- Gateway -----------------------------------

# gateway.recover\_after\_nodes: 3

# ---------------------------------- Various -----------------------------------

action.destructive\_requires\_name: true //是否禁用全局通配符操作

action.auto\_create\_index: false //是否自动创建索引

xpack.security.enabled: false //是否启用安全认证

# ---------------------------------- Indices -----------------------------------

indices.fielddata.cache.size: 30%

indices.query.bool.max\_clause\_count: 100000

index.number\_of\_shards: 5

index.number\_of\_replicas: 5

index.translog.sync\_interval: 30s