es快照备份

**创建快照仓库**

修改配置文件

vim /conf/elasticsearch.yml

添加如下内容s

path.repo: ["/mnt/es\_data"]

说明：/mnt/es\_data，为挂载共享文件

创建快照仓库

curl -X PUT "10.0.7.171:9200/\_snapshot/backup" -H 'Content-Type: application/json' -d'

{

"type": "fs",

"settings": {

"location": "/mnt/es\_data",

"compress": true,

"max\_snapshot\_bytes\_per\_sec" : "50mb",

"max\_restore\_bytes\_per\_sec" : "50mb"

}

}

'

{"acknowledged":true}

备注说明：

1.可在es任一节点操作

2.backup: 指定仓库名称为backup ,生成的备份文件存放路径为/mnt/es\_data

3.max\_snapshot\_bytes\_per\_sec,max\_restore\_bytes\_per\_sec 限定备份和恢复的数据字节内容大小为50mb,

为了防止磁盘IO过高。数值越大,备份恢复速度越快。50mb为推荐值，IO性能高的机器可不限制

成功后查看管理节点es日志信息如下图

[2020-11-11T18:52:53,805][INFO ][o.e.r.RepositoriesService] [node-2] put repository [backup]

查看es仓库信息如下图

curl -X GET "10.0.7.171:9200/\_cat/repositories?v"

id type

backup fs

**创建快照备份**

查看es共享文件信息

ls

无内容

1.针对全索引快照备份

备份整个集群索引

curl -XPUT 10.0.7.171:9200/\_snapshot/backup/snapshot\_all?pretty

{

"accepted" : true

}

备注说明：

1.指定备份到仓库backup

2.快照名称为 snapshot\_all

2.针对指定某个单独索引快照备份（为了区分不同索引备份目录,建议仓库用索引名称命名）

成功后查看管理节点es日志信息如下图

[2020-11-16T00:50:12,637][INFO ][o.e.s.SnapshotsService ] [node-2] snapshot

[backup:snapshot\_all/Cy6kkLeVQ2-Cb\_iWwPWH2Q] started[2020-11-16T00:50:19,803][INFO ][o.e.s.SnapshotsService ] [node-2] snapshot [backup:snapshot\_

all/Cy6kkLeVQ2-Cb\_iWwPWH2Q] completed with state [SUCCESS]

成功后查看挂载目录信息

ll

total 24

-rw-rw-r--. 1 nfsnobody nfsnobody 1631 Dec 10 2020 index-1

-rw-rw-r--. 1 nfsnobody nfsnobody 8 Dec 10 2020 index.latest

drwxrwxr-x. 11 nfsnobody nfsnobody 276 Dec 10 2020 indices

-rw-rw-r--. 1 nfsnobody nfsnobody 8832 Dec 10 2020 meta-Cy6kkLeVQ2-Cb\_iWwPWH2Q.dat

-rw-rw-r--. 1 nfsnobody nfsnobody 308 Dec 10 2020 snap-Cy6kkLeVQ2-Cb\_iWwPWH2Q.dat

进入目录indices，查看索引是否备份成功

cd indices/

ll

total 0

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 6mtleYXYSUG2QS9NWmEnIg

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 9rYAYMKeQB-FwrHveic0gg

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 FL\_H10VVRiCyLMExiPWRmw

drwxrwxr-x. 7 nfsnobody nfsnobody 90 Dec 10 2020 GyuDGiUkQpS6tDGbNZsuCQ

drwxrwxr-x. 7 nfsnobody nfsnobody 90 Dec 10 2020 I5IGPRDPSymtleg3jwDSSg

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 lmdoh41DTtOP6tpffSG8Jw

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 t330lQQ\_Tx2L\_fDRdrWYyA

drwxrwxr-x. 3 nfsnobody nfsnobody 54 Dec 10 2020 VIZKd01oRkape-uzvTV4LQ

drwxrwxr-x. 7 nfsnobody

单独快照备份a这个索引

2.1先针对索引创建仓库

curl -XPUT http://10.0.7.171:9200/\_snapshot/a -d'

{

"type": "fs",

"settings": {

"location": "/mount/es\_data",

"compress": true,

"max\_snapshot\_bytes\_per\_sec" : "50mb",

"max\_restore\_bytes\_per\_sec" : "50mb"

}

}'

2.2 快照备份索引a操作

curl -X PUT "10.0.7.171:9200/\_snapshot/backup/a?wait\_for\_completion=true" -H

'Content-Type: application/json' -d'{

"indices": "a",

"ignore\_unavailable": true,

"include\_global\_state": false

}

'

{"snapshot":{"snapshot":"a","uuid":"0i41Ox-5SLyNStJ1C0ntOg","version\_id":7060299,"version":"7.

6.2","indices":["a"],"include\_global\_state":false,"state":"SUCCESS","start\_time":"2020-11-17T06:26:12.858Z","start\_time\_in\_millis":1605594372858,"end\_time":"2020-11-17T06:26:14.504Z","end\_time\_in\_millis":1605594374504,"duration\_in\_millis":1646,"failures":[],"shards":{"total":5,"failed":0,"successful":5}}}

备注说明：

1.创建的仓库名为a

2.存放的文件目录为/mount/es\_data

3.indices:指定索引源为a,多个之间用逗号隔开

4.增加?wait\_for\_completion=true参数是为了执行完成返回结果状态

**恢复快照备份数据到es集群**

1.指定索引快照备份的恢复操作

curl -X POST "10.0.7.171:9200/\_snapshot/backup/a/\_restore" -H 'Content-Type: a

pplication/json' -d'{

"indices": "a",

"index\_settings": {

"index.number\_of\_replicas": 0

},

"ignore\_index\_settings": [

"index.refresh\_interval"

]

}

'

{"accepted":true}

备注说明：

1.指定仓库名称backup

2.指定快照备份名称a

2.针对某个指定索引的快照备份恢复操作

针对索引user\_event\_201810快照恢复

curl -XPOST http://10.0.7.171:9200/\_snapshot/a/a/\_restore

备注说明：

1.指定仓库名称a

2.指定快照备份名称a

**辅助操作命令**

1.查看已存在仓库

curl 10.0.7.171:9200/\_cat/repositories?

2.查看已存在快照

curl -XGET http://10.0.7.171:9200/\_snapshot? pretty //查看全部

curl -XGET <http://10.0.7.171:9200/_snapshot/a/a?pretty> //查看指定快照信息

3.删除快照

curl -XDELETE http://10.0.7.171:9200/\_snapshot/a/a

4.删除仓库

curl -XDELETE <http://10.0.7.171:9200/_snapshot/a>

本地配置文件

egrep -v "^#|^$" /app/elasticsearch-7.6.2/config/elasticsearch.yml

cluster.name: my-application

node.name: node-2

node.data: true

path.data: /app/elasticsearch-7.6.2/data

path.logs: /app/elasticsearch-7.6.2/logs

network.host: 10.0.7.174

http.port: 9200

discovery.seed\_hosts: ["10.0.7.171","10.0.7.174","10.0.7.175"]

cluster.initial\_master\_nodes: ["node-1", "node-2","node-3"]

discovery.zen.minimum\_master\_nodes: 2

gateway.recover\_after\_nodes: 3

gateway.expected\_nodes: 3

gateway.recover\_after\_time: 5m

http.cors.enabled: true

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

http.cors.allow-headers: Authorization,X-Requested-With,Content-Type,Content-Leng

xpack.security.enabled: false

path.repo: ["/mount/es\_data"]

elasticsearch其中一节点配置文件（他人）

cluster.name: my-application1

node.name: node-3

path.data: /data/db/elasticsearch

path.logs: /data/log/elasticsearch/logs

path.repo: ["/mnt/elasticsearch"]

network.host: 10.0.7.33

http.port: 9200

transport.tcp.port: 9102

node.master: true

node.data: true

discovery.zen.ping.unicast.hosts: ["10.0.7.171:9102","10.0.7.36:9102","10.0.7.33:9102"]

discovery.zen.minimum\_master\_nodes: 2

indices.query.bool.max\_clause\_count: 10240

http.cors.enabled: true

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