

Pega freeStorageSize

O script abaixo verifica a quantidade de bytes que existe livre em cada collection (funciona para sharding e para replica-set). Serve para analisarmos em quais collections vale a pena rodar compact para liberar disco.

Opção 1: Valor por collection e total do cluster (usa `stats`) [↗](#)

```
1
2 // vai printar o valor disponível para cada collection e tb o valor TOTAL disponível no cluster
3
4
5 var totalSize = 0;
6 var totalSizeColl = 0;
7 var totalReusableSize = 0;
8 var totalIndexSize = 0;
9 db.getMongo().getDBNames().forEach(function (d) {
10 {
11     db.getSiblingDB(d).getCollectionInfos( {type: 'collection'} ).forEach(function (v1) {
12         var coll = v1.name;
13         var stat = db.getSiblingDB(d).getCollection(coll).stats();
14         var namespace = stat.ns;
15         var count = stat.count;
16         var storageSize = stat.storageSize/1024/1024/1024;
17         var IdxSize = stat.totalIndexSize/1024/1024/1024;
18         var reusableSize = stat.wiredTiger["block-manager"]["file bytes available for reuse"]/1024/1024/1024;
19         totalSizeColl += storageSize;
20         totalReusableSize += reusableSize;
21         totalIndexSize += IdxSize;
22         totalSize = totalIndexSize + totalSizeColl;
23         printjson({
24             'namespace': namespace,
25             'count': count,
26             'storageSizeColl': storageSize ,
27             'file bytes available for reuse': reusableSize,
28             'Index Size': IdxSize,
29             'Total Size': storageSize+IdxSize
30         });
31     });
32 }
33 });
34
35 print("\nTotal Storage Size: " + totalSize + " GB"), ("Total Reusable Size: " + totalReusableSize + " GB");
36
37
```

Opção 2: [↗](#)

Outras opções (trazendo apenas total por collection)


```

59     var obj = coll_stats.shards ;
60
61     Object.entries(obj).forEach(([key, value]) => {
62         console.log("freeStorageSize: ", value.freeStorageSize + " bytes");
63     });
64 }
65 });
66
67 }
68 });
69 }

```

Opção 3: Usa `runCommand({ collStats : collname })`

```

1  use admin;
2
3
4  var serverStatus = db.runCommand(
5      {
6          serverStatus: 1
7      }
8  )
9
10 //printjson(serverStatus.process)
11 if (serverStatus.process == 'mongod')
12 {
13     db.runCommand( { listDatabases: 1 } ).databases.forEach(function (BD) {
14
15         if(BD.name == 'config' || BD.name == 'admin' || BD.name == 'replset' || BD.name == 'local')
16         {
17             // print("Não pra ver nada")
18         }
19         else {
20             db = db.getSiblingDB(BD.name);
21             print(" ");
22             print("***** DATABASE: " + BD.name + " *****");
23
24             var coll_stats;
25             db.getCollectionNames().forEach(function(collname) {
26                 if (/system/i.test(collname))
27                 {
28                     else
29                     {
30                         print("***** " + collname + " *****");
31                     //         coll_stats = db[collname].stats();
32                     coll_stats = db.runCommand( { collStats : collname } )
33                     print( "freeStorageSize: " + coll_stats.freeStorageSize + " bytes");
34                 }
35             });
36         }
37     });
38 }
39 }
40 else
41 {
42     db.runCommand( { listDatabases: 1 } ).databases.forEach(function (BD) {

```

```

43
44     if(BD.name == 'config' || BD.name == 'admin' || BD.name == 'replset' || BD.name == 'local')
45     {
46         // print("Não pra ver nada")
47     }
48     else {
49         db = db.getSiblingDB(BD.name);
50         print(" ");
51         print("***** DATABASE: " + BD.name + " *****");
52
53         db.getCollectionNames().forEach(function(collname) {
54             if (/system/i.test(collname))
55             {}
56             else
57             {
58                 print("***** " + collname + " *****");
59                 //coll_stats = db[collname].stats();
60
61                 coll_stats = db.runCommand( { collStats : collname })
62                 var obj = coll_stats.shards ;
63
64                 Object.entries(obj).forEach(([key, value]) => {
65                     console.log("freeStorageSize: ", value.freeStorageSize + " bytes");
66                 });
67             }
68         });
69
70     }
71 });
72 }

```