

MongoDump and MongoRestore

Take the backup of the entire database on a target folder using mongoDump

```
azureuser@mongodb:~$ cd mongo-downloads/
azureuser@mongodb:~/mongo-downloads$ mkdir mongo-backup
azureuser@mongodb:~/mongo-downloads$ mongodump -d sample -o mongo-backup/
2023-03-06T15:12:18.444+0000    writing sample.person to mongo-backup/sample/person.bson
2023-03-06T15:12:18.446+0000    writing sample.fs.files to mongo-backup/sample/fs.files.bson
2023-03-06T15:12:18.446+0000    writing sample.fs.chunks to mongo-backup/sample/fs.chunks.bson
2023-03-06T15:12:18.447+0000    done dumping sample.person (5 documents)
2023-03-06T15:12:18.447+0000    writing sample.companies to mongo-backup/sample/companies.bson
2023-03-06T15:12:18.448+0000    done dumping sample.fs.files (1 document)
2023-03-06T15:12:18.449+0000    done dumping sample.fs.chunks (1 document)
2023-03-06T15:12:18.671+0000    done dumping sample.companies (18801 documents)
azureuser@mongodb:~/mongo-downloads$ ls
mongo-backup  people.json  sample.txt
azureuser@mongodb:~/mongo-downloads$ ls mongo-backup/
sample
azureuser@mongodb:~/mongo-downloads$ ls mongo-backup/sample
companies.bson          fs.chunks.bson          fs.files.bson           person.bson
companies.metadata.json  fs.chunks.metadata.json  fs.files.metadata.json  person.metadata.json
```

Restore the database on to the samplecopy target database in the following way

```
> use samplecopy
switched to db samplecopy
> exit
bye
azureuser@mongodb:~/mongo-downloads$ ls
mongo-backup  people.json  sample.txt
azureuser@mongodb:~/mongo-downloads$ mongorestore -d samplecopy mongo-backup/sample
2023-03-06T15:17:58.427+0000    The --db and --collection flags are deprecated for this use-case; please use --nsInclude instead, i.e. with --nsInclude=${DATABASE}.${COLLECTION}
2023-03-06T15:17:58.427+0000    building a list of collections to restore from mongo-backup/sample directory
2023-03-06T15:17:58.427+0000    reading metadata for samplecopy.person from mongo-backup/sample/person.metadata.json
2023-03-06T15:17:58.428+0000    reading metadata for samplecopy.companies from mongo-backup/sample/companies.metadata.json
2023-03-06T15:17:58.428+0000    reading metadata for samplecopy.fs.chunks from mongo-backup/sample/fs.chunks.metadata.json
2023-03-06T15:17:58.428+0000    reading metadata for samplecopy.fs.files from mongo-backup/sample/fs.files.metadata.json
2023-03-06T15:17:58.516+0000    restoring samplecopy.companies from mongo-backup/sample/companies.bson
2023-03-06T15:17:58.530+0000    restoring samplecopy.person from mongo-backup/sample/person.bson
2023-03-06T15:17:58.540+0000    finished restoring samplecopy.person (5 documents, 0 failures)
2023-03-06T15:17:58.546+0000    restoring samplecopy.fs.chunks from mongo-backup/sample/fs.chunks.bson
2023-03-06T15:17:58.558+0000    finished restoring samplecopy.fs.chunks (1 document, 0 failures)
2023-03-06T15:17:58.566+0000    restoring samplecopy.fs.files from mongo-backup/sample/fs.files.bson
2023-03-06T15:17:58.578+0000    finished restoring samplecopy.fs.files (1 document, 0 failures)
2023-03-06T15:17:59.687+0000    finished restoring samplecopy.companies (18801 documents, 0 failures)
)
```

Now you can see the restored collections

```
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
sample     0.031GB
samplecopy 0.031GB
> use samplecopy
switched to db samplecopy
> show collections
companies
fs.chunks
fs.files
person
>
```