Backup and Restore

C:\Users\nayeems_user_user**mongo --port 27017**

> show dbs
admin   0.000GB
cars   0.000GB
config 0.000GB
local   0.000GB
newdb   0.000GB
owners 0.000GB

 mkdir backup_full

C:\Users\nayeems_user**mongodump --port 27017 --out backup_full**

2021-06-07T09:23:10.151-0400   writing admin.system.users to
backup_full\admin\system.users.bson
2021-06-07T09:23:10.160-0400   done dumping admin.system.users (2 documents)
2021-06-07T09:23:10.161-0400   writing admin.system.version to
backup_full\admin\system.version.bson
2021-06-07T09:23:10.164-0400   done dumping admin.system.version (2 documents)
2021-06-07T09:23:10.168-0400   writing newdb.videos to backup_full\newdb\videos.bson
2021-06-07T09:23:10.170-0400   done dumping newdb.videos (5 documents)
2021-06-07T09:23:10.473-0400   writing owners.list to backup_full\owners\list.bson
2021-06-07T09:23:10.473-0400   writing cars.cars to backup_full\cars\cars.bson
2021-06-07T09:23:10.477-0400   writing cars.list to backup_full\cars\list.bson
2021-06-07T09:23:10.481-0400   done dumping owners.list (1 document)
2021-06-07T09:23:10.488-0400   done dumping cars.cars (2 documents)
2021-06-07T09:23:10.488-0400   done dumping cars.list (1 document)

C:\Users\nayeems_user\cd backup_full

C:\Users\nayeems_user\backup_full>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeems_user\backup_full

06/07/2021 09:23 AM   <DIR>   .
06/07/2021 09:23 AM   <DIR>   ..
06/07/2021 09:23 AM   <DIR>   admin

```
06/07/2021  09:23 AM    <DIR>          cars
06/07/2021  09:23 AM    <DIR>          newdb
06/07/2021  09:23 AM    <DIR>          owners
               0 File(s)           0 bytes
               6 Dir(s)
```

C:\Users\nayeems_user\backup_full\cars>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeems_user\backup_full\cars

```
06/07/2021  09:23 AM    <DIR>          .
06/07/2021  09:23 AM    <DIR>          ..
06/07/2021  09:23 AM                69 cars.bson
06/07/2021  09:23 AM               151 cars.metadata.json
06/07/2021  09:23 AM                36 list.bson
06/07/2021  09:23 AM               151 list.metadata.json
               4 File(s)            407 bytes
               2 Dir(s)  175,730,958,336 bytes free
```

Now backup only cars database:

C:\Users\nayeems_user>**mongodump --port 27017 -d cars --out backup_cars**
2021-06-07T09:33:56.738-0400   writing cars.cars to backup_cars\cars\cars.bson
2021-06-07T09:33:56.744-0400   done dumping cars.cars (2 documents)
2021-06-07T09:33:57.038-0400   writing cars.list to backup_cars\cars\list.bson
2021-06-07T09:33:57.045-0400   done dumping cars.list (1 document)

C:\Users\nayeem_user\backup_cars>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeem_user\backup_cars

```
06/07/2021  09:33 AM    <DIR>          .
06/07/2021  09:33 AM    <DIR>          ..
06/07/2021  09:33 AM    <DIR>          cars
               0 File(s)           0 bytes
               3 Dir(s)
```

C:\Users\nayeems_user\backup_cars>cd cars

C:\Users\nayeems_user\backup_cars\cars>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeems_user\backup_cars\cars

06/07/2021 09:33 AM   <DIR>   .
06/07/2021 09:33 AM   <DIR>   ..
06/07/2021 09:33 AM   69 cars.bson
06/07/2021 09:33 AM   151 cars.metadata.json
06/07/2021 09:33 AM   36 list.bson
06/07/2021 09:33 AM   151 list.metadata.json
               4 File(s)   407 bytes
               2 Dir(s)

Now backup only a collection in cars database:

C:\Users\nayeems_user>**mongodump --port 27017 -d cars -c list -o backup_cars_list**
2021-06-07T09:40:59.486-0400   writing cars.list to backup_cars_list\cars\list.bson
2021-06-07T09:40:59.490-0400   done dumping cars.list (1 document)

C:\Users\nayeems_user\backup_cars_list>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeems_user\backup_cars_list

06/07/2021 09:40 AM   <DIR>   .
06/07/2021 09:40 AM   <DIR>   ..
06/07/2021 09:40 AM   <DIR>   cars
               0 File(s)   0 bytes
               3 Dir(s)

C:\Users\nayeems_user\backup_cars_list>cd cars

```
C:\Users\nayeems_user\backup_cars_list\cars>dir
 Volume in drive C has no label.
 Volume Serial Number is 7A9F-A0F9

 Directory of C:\Users\nayeems_user\backup_cars_list\cars

06/07/2021  09:40 AM    <DIR>          .
06/07/2021  09:40 AM    <DIR>          ..
06/07/2021  09:40 AM                36 list.bson
06/07/2021  09:40 AM               151 list.metadata.json
               2 File(s)            187 bytes


C:\Users\nayeems_user>mongo --port 50000
> show dbs
admin   0.000GB
config  0.000GB
local   0.000GB



> use admin
switched to db admin
> show collections
system.version
```

Restore collection list from backup

```
C:\Users\nayeems_user>mongorestore --port 50000 backup_cars_list
2021-06-07T11:11:57.860-0400    preparing collections to restore from
2021-06-07T11:11:57.890-0400    reading metadata for cars.list from
backup_cars_list\cars\list.metadata.json
2021-06-07T11:11:57.932-0400    restoring cars.list from backup_cars_list\cars\list.bson
2021-06-07T11:11:57.948-0400    no indexes to restore
2021-06-07T11:11:57.948-0400    finished restoring cars.list (1 document, 0 failures)
2021-06-07T11:11:57.949-0400    1 document(s) restored successfully. 0 document(s) failed to
restore.

C:\Users\nayeems_user>mongo --port 50000
> show dbs
admin   0.000GB
cars    0.000GB
config  0.000GB
local   0.000GB
> use cars
switched to db cars
```

```
> show collections
list
> db.list.find()
{ "_id" : 0, "brand" : "Toyota" }


Restore only cars database
C:\Users\nayeems_user>mongorestore --port 50000 --drop backup_cars
2021-06-07T11:18:34.388-0400    preparing collections to restore from
2021-06-07T11:18:34.414-0400    reading metadata for cars.cars from
backup_cars\cars\cars.metadata.json
2021-06-07T11:18:34.444-0400    restoring cars.cars from backup_cars\cars\cars.bson
2021-06-07T11:18:34.462-0400    no indexes to restore
2021-06-07T11:18:34.462-0400    finished restoring cars.cars (2 documents, 0 failures)
2021-06-07T11:18:34.712-0400    reading metadata for cars.list from
backup_cars\cars\list.metadata.json
2021-06-07T11:18:34.739-0400    restoring cars.list from backup_cars\cars\list.bson
2021-06-07T11:18:34.751-0400    no indexes to restore
2021-06-07T11:18:34.751-0400    finished restoring cars.list (1 document, 0 failures)
2021-06-07T11:18:34.751-0400    3 document(s) restored successfully. 0 document(s) failed to
restore


Restore all DB's
C:\Users\nayeems_user>mongorestore --port 50000 --drop backup_full
2021-06-07T11:26:05.586-0400    preparing collections to restore from
2021-06-07T11:26:05.599-0400    reading metadata for newdb.videos from
backup_full\newdb\videos.metadata.json
2021-06-07T11:26:05.907-0400    reading metadata for owners.list from
backup_full\owners\list.metadata.json
2021-06-07T11:26:05.909-0400    restoring newdb.videos from backup_full\newdb\videos.bson
2021-06-07T11:26:05.938-0400    restoring owners.list from backup_full\owners\list.bson
2021-06-07T11:26:05.940-0400    reading metadata for cars.cars from
backup_full\cars\cars.metadata.json
2021-06-07T11:26:05.950-0400    no indexes to restore
2021-06-07T11:26:05.950-0400    finished restoring owners.list (1 document, 0 failures)
2021-06-07T11:26:05.972-0400    restoring cars.cars from backup_full\cars\cars.bson
2021-06-07T11:26:05.983-0400    no indexes to restore
2021-06-07T11:26:05.983-0400    finished restoring cars.cars (2 documents, 0 failures)
2021-06-07T11:26:06.219-0400    no indexes to restore
2021-06-07T11:26:06.219-0400    finished restoring newdb.videos (5 documents, 0 failures)
2021-06-07T11:26:06.226-0400    reading metadata for cars.list from
backup_full\cars\list.metadata.json
2021-06-07T11:26:06.253-0400    restoring cars.list from backup_full\cars\list.bson
2021-06-07T11:26:06.263-0400    no indexes to restore
```

2021-06-07T11:26:06.263-0400   finished restoring cars.list (1 document, 0 failures)
2021-06-07T11:26:06.264-0400   restoring users from backup_full\admin\system.users.bson
2021-06-07T11:26:06.337-0400   9 document(s) restored successfully. 0 document(s) failed to restore.

Backup and Restore of replica set.. TBD…