

Backup and Restore

```
C:\Users\nayeems_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...