

MONGODB - CREATE BACKUP

https://www.tutorialspoint.com/mongodb/mongodb_create_backup.htm

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In this chapter, we will see how to create a backup in MongoDB.

Dump MongoDB Data

To create backup of database in MongoDB, you should use **mongodump** command. This command will dump the entire data of your server into the dump directory. There are many options available by which you can limit the amount of data or create backup of your remote server.

Syntax

The basic syntax of **mongodump** command is as follows –

```
>mongodump
```

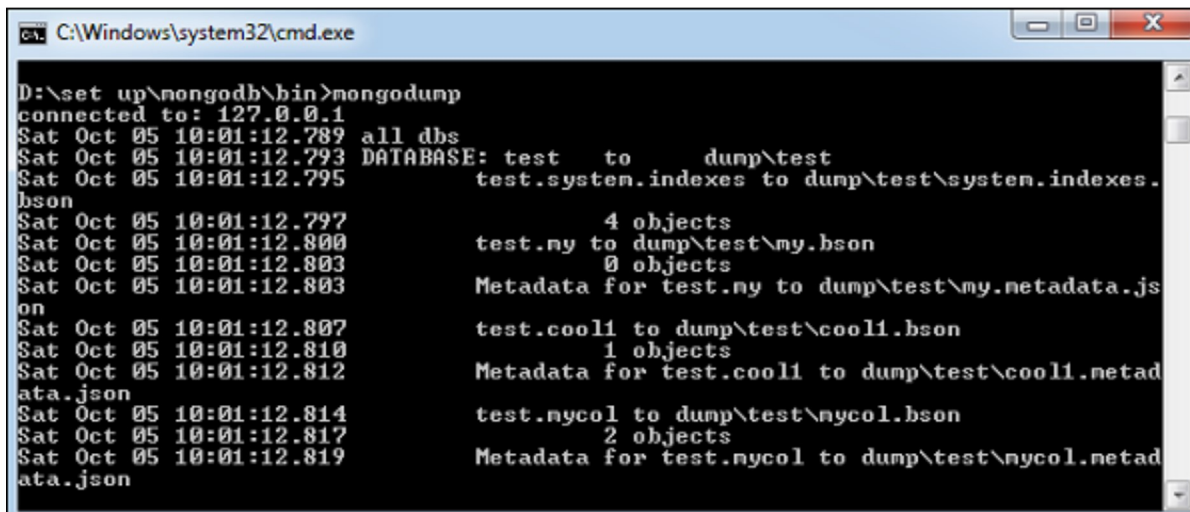
Example

Start your mongod server. Assuming that your mongod server is running on the localhost and port 27017, open a command prompt and go to the bin directory of your mongodb instance and type the command **mongodump**

Consider the mycol collection has the following data.

```
>mongodump
```

The command will connect to the server running at **127.0.0.1** and port **27017** and back all data of the server to directory **/bin/dump/**. Following is the output of the command –



```
C:\Windows\system32\cmd.exe
D:\set up\nongodb\bin>mongodump
connected to: 127.0.0.1
Sat Oct 05 10:01:12.789 all dbs
Sat Oct 05 10:01:12.793 DATABASE: test to dump\test
Sat Oct 05 10:01:12.795 test.system.indexes to dump\test\system.indexes.
bson
Sat Oct 05 10:01:12.797 4 objects
Sat Oct 05 10:01:12.800 test.my to dump\test\my.bson
Sat Oct 05 10:01:12.803 0 objects
Sat Oct 05 10:01:12.803 Metadata for test.my to dump\test\my.metadata.js
on
Sat Oct 05 10:01:12.807 test.cool1 to dump\test\cool1.bson
Sat Oct 05 10:01:12.810 1 objects
Sat Oct 05 10:01:12.812 Metadata for test.cool1 to dump\test\cool1.metad
ata.json
Sat Oct 05 10:01:12.814 test.nycol to dump\test\nycol.bson
Sat Oct 05 10:01:12.817 2 objects
Sat Oct 05 10:01:12.819 Metadata for test.nycol to dump\test\nycol.metad
ata.json
```

Following is a list of available options that can be used with the **mongodump** command.

| Syntax | Description | Example |
|---|---|--|
| mongodump --host HOST_NAME --port PORT_NUMBER | This command will backup all databases of specified mongod instance. | mongodump --host tutorialspoint.com --port 27017 |
| mongodump --dbpath DB_PATH --out BACKUP_DIRECTORY | This command will backup only specified database at specified path. | mongodump --dbpath /data/db/ --out /data/backup/ |
| mongodump --collection COLLECTION --db DB_NAME | This command will backup only specified collection of specified database. | mongodump --collection mycol --db test |

Restore data

To restore backup data MongoDB's **mongorestore** command is used. This command restores all of the data from the backup directory.

Syntax

The basic syntax of **mongorestore** command is –

```
>mongorestore
```

Following is the output of the command –

```

D:\set up\mongodb\bin>mongorestore
connected to: 127.0.0.1
Sat Oct 05 10:06:40.922 dump\test\cool1.bson
Sat Oct 05 10:06:40.924 going into namespace [test.cool1]
Sat Oct 05 10:06:40.933 warning: Restoring to test.cool1 without dropping. Restored data will be inserted without raising errors; check your server log
1 objects found
Sat Oct 05 10:06:41.003 Creating index: { key: { _id: 1 }, ns: "test.cool1", name: "_id_" }
Sat Oct 05 10:06:41.058 dump\test\my.bson
Sat Oct 05 10:06:41.058 going into namespace [test.my]
Sat Oct 05 10:06:41.062 warning: Restoring to test.my without dropping. Restored data will be inserted without raising errors; check your server log
Sat Oct 05 10:06:41.063 file dump\test\my.bson empty, skipping
Sat Oct 05 10:06:41.063 Creating index: { key: { _id: 1 }, ns: "test.my", name: "_id_" }
Sat Oct 05 10:06:41.066 dump\test\mycol.bson
Sat Oct 05 10:06:41.067 going into namespace [test.mycol]
Sat Oct 05 10:06:41.070 warning: Restoring to test.mycol without dropping. Restored data will be inserted without raising errors; check your server log
2 objects found
Sat Oct 05 10:06:41.077 Creating index: { key: { _id: 1 }, ns: "test.mycol", name: "_id_" }
Sat Oct 05 10:06:41.079 Creating index: { key: { name: 1 }, ns: "test.mycol", name: "name_1" }

```