

install mongodump

shell(backup and restore)

show dbs

admin 0.000GB

candidate 0.000GB

collegs 0.000GB

config 0.000GB

employee 0.000GB

local 0.000GB

stud1 0.000GB

student 0.000GB

> use employee

switched to db employee

> db.dropDatabase()

{ "ok" : 1 }

> show dbs

admin 0.000GB

candidate 0.000GB

collegs 0.000GB

config 0.000GB

local 0.000GB

stud1 0.000GB

student 0.000GB

> show dbs

admin 0.000GB

candidate 0.000GB

collegs 0.000GB

config 0.000GB

employee 0.000GB

local 0.000GB

stud1 0.000GB

student 0.000GB

admin command prompt

change directory

cd C:\Program Files\MongoDB\Tools\100\bin

C:\Program Files\MongoDB\Tools\100\bin>mongodump

2022-05-31T10:57:54.291+0530 writing admin.system.version to dump\admin\system.version.bson

2022-05-31T10:57:54.294+0530 done dumping admin.system.version (1 document)

2022-05-31T10:57:54.295+0530 writing candidate.details to dump\candidate\details.bson

2022-05-31T10:57:54.308+0530 done dumping candidate.details (9 documents)

2022-05-31T10:57:54.309+0530 writing stud1.stud123 to dump\stud1\stud123.bson

2022-05-31T10:57:54.324+0530 done dumping stud1.stud123 (0 documents)

2022-05-31T10:57:54.325+0530 writing stud1.stud12 to dump\stud1\stud12.bson

2022-05-31T10:57:54.328+0530 done dumping stud1.stud12 (0 documents)

2022-05-31T10:57:54.329+0530 writing stud1.stud1 to dump\stud1\stud1.bson

2022-05-31T10:57:54.333+0530 done dumping stud1.stud1 (0 documents)

2022-05-31T10:57:54.334+0530 writing student.stud to dump\student\stud.bson  
2022-05-31T10:57:54.344+0530 done dumping student.stud (0 documents)  
2022-05-31T10:57:54.345+0530 writing colleges.collegs to dump\collegs\collegs.bson  
2022-05-31T10:57:54.364+0530 done dumping colleges.collegs (0 documents)  
2022-05-31T10:57:54.599+0530 writing student.student to dump\student\student.bson  
2022-05-31T10:57:54.600+0530 writing colleges.colleges to dump\collegs\colleges.bson  
2022-05-31T10:57:54.600+0530 writing employee.employee to dump\employee\employee.bson  
2022-05-31T10:57:54.632+0530 done dumping colleges.colleges (10 documents)  
2022-05-31T10:57:54.663+0530 done dumping employee.employee (2 documents)  
2022-05-31T10:57:54.676+0530 done dumping student.student (10 documents)

restore

C:\Program Files\MongoDB\Tools\100\bin>mongorestore

2022-05-31T11:01:11.689+0530 using default 'dump' directory  
2022-05-31T11:01:11.691+0530 preparing collections to restore from  
2022-05-31T11:01:11.697+0530 reading metadata for stud1.stud12 from  
dump\stud1\stud12.metadata.json  
2022-05-31T11:01:11.697+0530 reading metadata for student.stud from  
dump\student\stud.metadata.json  
2022-05-31T11:01:11.697+0530 reading metadata for student.student from  
dump\student\student.metadata.json  
2022-05-31T11:01:11.698+0530 reading metadata for stud1.stud1 from  
dump\stud1\stud1.metadata.json  
2022-05-31T11:01:11.698+0530 reading metadata for stud1.stud123 from  
dump\stud1\stud123.metadata.json  
2022-05-31T11:01:11.699+0530 reading metadata for candidate.details from  
dump\candidate\details.metadata.json

2022-05-31T11:01:11.699+0530 reading metadata for colleges.colleges from  
dump\colleges\colleges.metadata.json

2022-05-31T11:01:11.699+0530 reading metadata for colleges.colleges from  
dump\colleges\colleges.metadata.json

2022-05-31T11:01:11.700+0530 reading metadata for employee.employee from  
dump\employee\employee.metadata.json

2022-05-31T11:01:11.702+0530 restoring to existing collection colleges.colleges without dropping

2022-05-31T11:01:11.702+0530 restoring colleges.colleges from dump\colleges\colleges.bson

2022-05-31T11:01:11.702+0530 restoring to existing collection student.student without dropping

2022-05-31T11:01:11.703+0530 restoring student.student from dump\student\student.bson

2022-05-31T11:01:11.703+0530 restoring to existing collection candidate.details without dropping

2022-05-31T11:01:11.703+0530 restoring candidate.details from dump\candidate\details.bson

2022-05-31T11:01:11.859+0530 restoring employee.employee from dump\employee\employee.bson

2022-05-31T11:01:11.891+0530 finished restoring employee.employee (2 documents, 0 failures)

2022-05-31T11:01:11.893+0530 restoring to existing collection stud1.stud1 without dropping

2022-05-31T11:01:11.893+0530 restoring stud1.stud1 from dump\stud1\stud1.bson

2022-05-31T11:01:11.905+0530 finished restoring stud1.stud1 (0 documents, 0 failures)

2022-05-31T11:01:11.905+0530 restoring to existing collection stud1.stud12 without dropping

2022-05-31T11:01:11.908+0530 restoring stud1.stud12 from dump\stud1\stud12.bson

2022-05-31T11:01:11.921+0530 finished restoring stud1.stud12 (0 documents, 0 failures)

2022-05-31T11:01:11.921+0530 restoring to existing collection stud1.stud123 without dropping

2022-05-31T11:01:11.922+0530 restoring stud1.stud123 from dump\stud1\stud123.bson

2022-05-31T11:01:11.936+0530 finished restoring stud1.stud123 (0 documents, 0 failures)

2022-05-31T11:01:11.936+0530 restoring to existing collection student.stud without dropping

2022-05-31T11:01:11.936+0530 restoring student.stud from dump\student\stud.bson

2022-05-31T11:01:11.952+0530 finished restoring student.stud (0 documents, 0 failures)

2022-05-31T11:01:11.952+0530 restoring to existing collection colleges.colleges without dropping

2022-05-31T11:01:11.952+0530 restoring colls.colls from dump\colls\colls.bson

2022-05-31T11:01:11.966+0530 finished restoring colls.colls (0 documents, 0 failures)

2022-05-31T11:01:12.089+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a4152a977a995f22ef1d') }

2022-05-31T11:01:12.090+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a45d2a977a995f22ef1e') }

2022-05-31T11:01:12.093+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a5112a977a995f22ef1f') }

2022-05-31T11:01:12.094+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5e44d2675ea4253cb845') }

2022-05-31T11:01:12.095+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5e5ad2675ea4253cb846') }

2022-05-31T11:01:12.097+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a5ab2a977a995f22ef20') }

2022-05-31T11:01:12.098+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a5c82a977a995f22ef21') }

2022-05-31T11:01:12.102+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a5ed2a977a995f22ef22') }

2022-05-31T11:01:12.104+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5e70d2675ea4253cb847') }

2022-05-31T11:01:12.105+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5e95d2675ea4253cb848') }

2022-05-31T11:01:12.107+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a6012a977a995f22ef23') }

2022-05-31T11:01:12.108+0530 continuing through error: E11000 duplicate key error collection: student.student index: \_id\_ dup key: { \_id: ObjectId('6278a6172a977a995f22ef24') }

2022-05-31T11:01:12.110+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5ea6d2675ea4253cb849') }

2022-05-31T11:01:12.113+0530 continuing through error: E11000 duplicate key error collection: candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5ed0d2675ea4253cb84a') }

2022-05-31T11:01:12.115+0530 continuing through error: E11000 duplicate key error collection:  
student.student index: \_id\_ dup key: { \_id: ObjectId('6278a6452a977a995f22ef25') }

2022-05-31T11:01:12.117+0530 continuing through error: E11000 duplicate key error collection:  
student.student index: \_id\_ dup key: { \_id: ObjectId('6278a6652a977a995f22ef26') }

2022-05-31T11:01:12.118+0530 continuing through error: E11000 duplicate key error collection:  
candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5f05d2675ea4253cb84b') }

2022-05-31T11:01:12.119+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628de68fd69ccd26214956c9') }

2022-05-31T11:01:12.120+0530 finished restoring student.student (0 documents, 10 failures)

2022-05-31T11:01:12.121+0530 continuing through error: E11000 duplicate key error collection:  
candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5f2ad2675ea4253cb84c') }

2022-05-31T11:01:12.122+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628de714d69ccd26214956ca') }

2022-05-31T11:01:12.124+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628de769d69ccd26214956cb') }

2022-05-31T11:01:12.125+0530 continuing through error: E11000 duplicate key error collection:  
candidate.details index: \_id\_ dup key: { \_id: ObjectId('628b5f3fd2675ea4253cb84d') }

2022-05-31T11:01:12.125+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628de7b2d69ccd26214956cc') }

2022-05-31T11:01:12.126+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628de846d69ccd26214956cd') }

2022-05-31T11:01:12.126+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628dea91d69ccd26214956ce') }

2022-05-31T11:01:12.126+0530 finished restoring candidate.details (0 documents, 9 failures)

2022-05-31T11:01:12.126+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628deabcd69ccd26214956cf') }

2022-05-31T11:01:12.126+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628deafbd69ccd26214956d0') }

2022-05-31T11:01:12.126+0530 continuing through error: E11000 duplicate key error collection:  
collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628deb5ad69ccd26214956d1') }

2022-05-31T11:01:12.127+0530 continuing through error: E11000 duplicate key error collection: collegs.colleges index: \_id\_ dup key: { \_id: ObjectId('628dec2fd69ccd26214956d2') }

2022-05-31T11:01:12.127+0530 finished restoring collegs.colleges (0 documents, 10 failures)

2022-05-31T11:01:12.127+0530 no indexes to restore for collection stud1.stud12

2022-05-31T11:01:12.127+0530 no indexes to restore for collection student.student

2022-05-31T11:01:12.128+0530 no indexes to restore for collection candidate.details

2022-05-31T11:01:12.128+0530 no indexes to restore for collection stud1.stud123

2022-05-31T11:01:12.128+0530 no indexes to restore for collection stud1.stud1

2022-05-31T11:01:12.129+0530 no indexes to restore for collection student.stud

2022-05-31T11:01:12.129+0530 no indexes to restore for collection collegs.colleges

2022-05-31T11:01:12.129+0530 no indexes to restore for collection collegs.colleges

2022-05-31T11:01:12.130+0530 no indexes to restore for collection employee.employee

2022-05-31T11:01:12.130+0530 2 document(s) restored successfully. 29 document(s) failed to restore.

C:\Program Files\MongoDB\Tools\100\bin>mongodump --db=employee

2022-05-31T11:05:25.212+0530 writing employee.employee to dump\employee\employee.bson

2022-05-31T11:05:25.213+0530 done dumping employee.employee (2 documents)

shell

use employee

switched to db employee

> db.dropDatabase()

{ "ok" : 1 }

> show dbs

admin 0.000GB

candidate 0.000GB

collegs 0.000GB

config 0.000GB

local 0.000GB

stud1 0.000GB

student 0.000GB

admin

C:\Program Files\MongoDB\Tools\100\bin>mongorestore --db=employee dump/employee

2022-05-31T11:08:59.661+0530 The --db and --collection flags are deprecated for this use-case; please use --nsInclude instead, i.e. with --nsInclude=\${DATABASE}.\${COLLECTION}

2022-05-31T11:08:59.662+0530 building a list of collections to restore from dump\employee dir

2022-05-31T11:08:59.662+0530 reading metadata for employee.employee from  
dump\employee\employee.metadata.json

2022-05-31T11:08:59.777+0530 restoring employee.employee from dump\employee\employee.bson

2022-05-31T11:08:59.811+0530 finished restoring employee.employee (2 documents, 0 failures)

2022-05-31T11:08:59.812+0530 no indexes to restore for collection employee.employee

2022-05-31T11:08:59.812+0530 2 document(s) restored successfully. 0 document(s) failed to restore.

collection(backup and restore)

shell

use collegs

switched to db collegs

> show collections

colleges



collegs

admin

```
C:\Program Files\MongoDB\Tools\100\bin>mongodump --db collegs --collection colleges
```

```
2022-05-31T11:14:59.346+0530  writing collegs.colleges to dump\collegs\colleges.bson
```

```
2022-05-31T11:14:59.347+0530  done dumping collegs.colleges (10 documents)
```

shell

```
> use collegs
```

```
switched to db collegs
```

```
> db.colleges.drop()
```

```
true
```

admin

```
C:\Program Files\MongoDB\Tools\100\bin>mongorestore --db collegs --collection colleges  
dump/collegs/colleges.bson
```

```
2022-05-31T11:18:50.104+0530  checking for collection data in dump\collegs\colleges.bson
```

```
2022-05-31T11:18:50.107+0530  reading metadata for collegs.colleges from  
dump\collegs\colleges.metadata.json
```

```
2022-05-31T11:18:50.215+0530  restoring collegs.colleges from dump\collegs\colleges.bson
```

```
2022-05-31T11:18:50.260+0530  finished restoring collegs.colleges (10 documents, 0 failures)
```

```
2022-05-31T11:18:50.260+0530  no indexes to restore for collection collegs.colleges
```

```
2022-05-31T11:18:50.261+0530  10 document(s) restored successfully. 0 document(s) failed to restore.
```

## Monitoring

```
C:\Program Files\MongoDB\Tools\100\bin>mongostat
```

```
insert query update delete getmore command dirty used flushes vsize res qrw arw net_in net_out conn  
time
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:23:49.038
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:23:50.039
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:23:51.039
```

```
*0 *0 *0 *0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.7k 4 May 31  
11:23:52.038
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:23:53.039
```

```
*0 *0 *0 *0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.6k 4 May 31  
11:23:54.038
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:23:55.039
```

```
*0 *0 *0 *0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.7k 4 May 31  
11:23:56.037
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.5k 4 May 31  
11:23:57.039
```

```
*0 *0 *0 *0 0 3|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 308b 53.3k 4 May 31  
11:23:58.037
```

```
insert query update delete getmore command dirty used flushes vsize res qrw arw net_in net_out conn  
time
```

```
*0 *0 *0 *0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.6k 4 May 31  
11:23:59.037
```

```
*0 *0 *0 *0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:24:00.038
```

\*0 \*0 \*0 \*0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.7k 4 May 31  
11:24:01.037

\*0 \*0 \*0 \*0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.6k 4 May 31  
11:24:02.037

\*0 \*0 \*0 \*0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.5k 4 May 31  
11:24:03.038

\*0 \*0 \*0 \*0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.7k 4 May 31  
11:24:04.037

\*0 \*0 \*0 \*0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.6k 4 May 31  
11:24:05.038

\*0 \*0 \*0 \*0 0 1|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 112b 52.7k 4 May 31  
11:24:06.036

\*0 \*0 \*0 \*0 0 0|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 111b 52.5k 4 May 31  
11:24:07.038

\*0 \*0 \*0 \*0 0 3|0 0.0% 0.0% 0 1.38G 117M 0|0 0|0 308b 53.3k 4 May 31  
11:24:08.037

2022-05-31T11:24:08.851+0530 signal 'interrupt' received; forcefully terminating