

## Administration - Advanced

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### 1. Export collection to JSON file

```
[tom@localhost ~]$ mongoexport --db bookstore --collection  
mybookstore1 --out mybookstore1.json
```

```
connected to: 127.0.0.1  
exported 68465 records
```

### 2. Import collection from file

```
[tom@localhost ~]$ mongoimport --collection imported --file  
mybookstore.json
```

```
connected to: 127.0.0.1  
2014-07-24T20:16:42.650+0200 check 9 14  
2014-07-24T20:16:42.650+0200 imported 14 objects
```

### 3. Collection is created in test database. Verify it

```
> use test
```

```
switched to db test
```

```
> show collections
```

```
imported  
system.indexes
```

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### 4. Import collection from file to specific database

```
[tom@localhost ~]$ mongoimport --db bookstore --collection  
imported_new --file mybookstore.json
```

```
connected to: 127.0.0.1  
2014-07-24T20:20:23.652+0200 check 9 14  
2014-07-24T20:20:23.652+0200 imported 14 objects
```

### 5. Check the newly imported collection

```
[tom@localhost ~]$ mongo
```

```
MongoDB shell version: 2.6.3  
connecting to: test
```

```
> use bookstore
```

```
switched to db bookstore
```

```
> show collections
```

```
cats  
imported_new  
map_reduce_example  
map_reduce_example1  
mybookstore  
mybookstore1  
session_stat  
sessions  
system.indexes  
system.js  
system.profile
```

```
> db.imported_new.find().pretty().limit(1)
```

```
{  
  "_id" : 1,  
  "title" : "Humpty Dumpty",  
  "category" : [  
    "comic",  
    "kids",  
    "laughter"  
  ],  
  "publisher" : {  
    "name" : "rooks",  
    "city" : "london"  
  },  
  "author" : "steve markison",  
  "store" : "laxman book depot",  
  "comments" : [  
    {  
      "user_name" : "myuser1",  
      "comment" : "nice book"  
    }  
  ],  
  "available" : 32,  
  "bookings" : 10  
}
```

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### 6. Store JavaScript Function on Server

```
> db.system.js.save({_id:"echoFunction",value:function(x){return x;}})
```

```
WriteResult({
  "nMatched" : 0,
  "nUpserted" : 1,
  "nModified" : 0,
  "_id" : "echoFunction"
})
```

### 7. Run the JS function

```
> db.eval("echoFunction('test')")
```

```
test
```

### 8. List all stored JS functions

```
> db.system.js.find();
```

```
{ "_id" : "echoFunction", "value" : function (x){return x;} }
```