

# UTILITIES

# MongoDB Utilities Overview

**mongoexport**

**mongoimport**

**mongodump**

**mongorestore**

**mongostat**

**mongotop**

# mongoexport

- Exports MongoDB collection data in JSON or CSV format
- Strict Mode Extended JSON format is used
- Examples

```
mongoexport --db myDb --collection persons --out  
persons.json
```

```
mongoexport --host ec2-34-216-244-19.us-  
west-2.compute.amazonaws.com --username admin --  
password password --authenticationDatabase admin  
--db myDb --collection persons --out persons.json
```

# mongoexport Syntax

```
mongoexport --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --db  
<database> --collection <collection> --out  
<filename>
```

## Notes

--jsonArray Option will export data  
as Array of JSON objects

# mongoimport

- Imports MongoDB collection data in JSON or CSV format
- Strict Mode or Shell Mode Extended JSON format is used
- Examples

```
mongoimport --db myDb --collection personsImport  
--file persons.json
```

```
mongoimport --host ec2-34-216-244-19.us-  
west-2.compute.amazonaws.com --username admin --  
password password --authenticationDatabase admin  
--db myDb --collection personsImport --file  
persons.json
```

# mongoimport Syntax

```
mongoimport --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --db  
<database> --collection <newCollectionName>  
--file <filename>
```

## Notes

MongoDB will produce error if you will  
try to insert document with duplicate  
unique index value

# mongodump

- Binary export of the MongoDB database
- Without --db option all databases except 'local' will be dumped
- Examples

```
mongodump
```

```
mongodump --db myDb
```

```
mongodump --host ec2-34-216-244-19.us-  
west-2.compute.amazonaws.com --username admin --  
password password --authenticationDatabase admin
```

# mongodump Syntax

```
mongodump --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --db  
<dumpDatabase> --collection <dumpCollection>  
--out <directoryName>
```



# mongodump Compressed Archive

```
mongodump --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --db  
<dumpDatabase> --collection <dumpCollection>  
--archive=<fileName> --gzip
```

# mongorestore

- Binary import of the MongoDB backup
- Indexes will be re-created

- Examples

**mongorestore**

```
mongorestore --host ec2-34-216-244-19.us-  
west-2.compute.amazonaws.com --username admin --  
password password --authenticationDatabase admin
```

# mongorestore Syntax

```
mongorestore --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --dir  
<directoryName>
```

# mongorestore Compressed Archive

```
mongorestore --host <hostname> --username  
<username> --password <password> --  
authenticationDatabase <authDb> --  
archive=<fileName> --gzip
```

# mongostat

- MongoDB real-time statistics

- Examples

**mongostat**

```
mongostat --host ec2-34-216-244-19.us-  
west-2.compute.amazonaws.com --username admin --  
password password --authenticationDatabase admin
```

# 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	7 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	1.18k	66.1k	10	Apr	30	12:41:53.267
*0	*0	*0	*0	0	7 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	1.18k	66.0k	10	Apr	30	12:41:54.266
*0	*0	*0	*0	0	7 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	1.22k	65.4k	10	Apr	30	12:41:55.279
*0	*0	*0	*0	0	7 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	1.19k	66.8k	10	Apr	30	12:41:56.267
*0	*0	*0	*0	0	5 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	968b	64.0k	10	Apr	30	12:41:57.273
*0	*0	*0	*0	0	3 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	413b	59.5k	10	Apr	30	12:41:58.278
*0	*0	*0	*0	0	0 0	0.0%	1.0%	0	1.03G	102M	0 0	1 0	54b	20.2k	10	Apr	30	12:42:01.156

# mongotop

- Top MongoDB current read and write operations

- Examples

```
mongotop
```

```
mongotop 180
```

```
mongotop --host ec2-34-216-244-19.us-
```

```
west-2.compute.amazonaws.com --username admin --
```

```
password password --authenticationDatabase admin
```

# mongotop

ns	total	read	write
myDb.persons	4ms	4ms	0ms
admin.\$cmd.aggregate	0ms	0ms	0ms
admin.system.roles	0ms	0ms	0ms
admin.system.users	0ms	0ms	0ms
admin.system.version	0ms	0ms	0ms
config.system.sessions	0ms	0ms	0ms
local.startup_log	0ms	0ms	0ms
local.system.replset	0ms	0ms	0ms
myDb.cursor	0ms	0ms	0ms
myDb.first	0ms	0ms	0ms



# SUMMARY

- **MongoDB Utilities**

- mongoexport

- mongoimport

- mongodump

- mongorestore

- mongotop

- mongostat