MangoDB Class

Export (JSON & CSV)

Export and Import in MongoDB

- We may export the full collection or specific field of collection as a CSV or JSON file. And vice versa may import a CSV or JSON file into a collection.

- mongoexport command to Export Data from a Collection

- mongoexport command is used to export MongoDB Collection data to a CSV or

- JSON file. By default, the mongoexport command connects to mongod instance

- running on the localhost port number 27017.

Syntax

- mongoexport --db DB_NAME --collection COLLECTION_name --fields

- Field_name(s) --type=[csv or JSON} --out=Name-Path-Output-File

- where,

- DB_NAME – Name of the Database of the Collection to be exported

- COLLECTION_name - Name of Collection of DB_NAME to be exported

- Field_name(s) - Name of the Field (or multiple fields separated by comma (,)) to be

- exported. It is optional in case of CSV file. If not specified, all the fields of the collection will

- be exported to JSON file.

- Type – CSV or JSON format

- Name-Path-Output-File – Name and path of the output (exported) file. It is also optional.

- But it is suggested to properly specify the name and path of the exported file.

- When exporting to CSV format, must specify the fields in the documents to be exported

- otherwise it will display error.

- When exporting to JSON format, _id field will also be exported by default. While the same

- will not be exported if exporting as CSV file until not specified in field list.

```
myDemo> db.student.find()
[
  { _id: 1, name: 'abc', emailid: 'abc@gmail.com' },
  { _id: 2, name: 'xyz', emailid: 'xyz@gmail.com' },
  { _id: 3, name: 'pqr', emailid: 'pqr@gmail.com' }
]
myDemo>
```

- **Syntax:**

- **For exporting data in JSON format**

  mongoexport –db database_name –collection collection_name –out path_or_name_of_the_file

Important Points:

- Here, the out command specifies the directory and the file in which the exported data is to be stored. In case we don't use –out the file gets created at path where we are at the time of running cmd.

- If the specified file is not created then mongoexport tool will automatically create a file and store data in it.

- If the mongoexport tool is not present in your system then you can install it from here:-

- **Database tools download link**

- https://www.mongodb.com/try/download/database-tools

- **Database tools Install guide**

- https://docs.mongodb.com/database-tools/installation/installation-windows/

mongoexport commonly used options

Option	Description
–help	It will return the information about option and the use of mongoexport
–version	It will return the version of mongoexport
–db	It will specify the name of the database in which mongoexport will run.
–collection	It will specify the collection to export.
–fields	It will specify the fields that will include in the export. If you are specifying multiple fields the use comma in between them. E.g. –fields name, class
–type	It will specify the file type to export. For JSON format use json and for CSV format use csv.
–out	It will specify a file in which the data is going to store.
–skip	Using this option you can control from where mongoexport starts exporting files.

Exporting the whole collection in JSON format:

- Example :-

- mongoexport --db myDemo --collection student --out D:\MongoBackup\studentdata.json

```
C:\Users\91997>mongoexport --db myDemo --collection student --out D:\MongoBackup\studentdata.json
2021-11-22T15:21:49.490+0530    connected to: mongodb://localhost/
2021-11-22T15:21:49.499+0530    exported 3 records

C:\Users\91997>
```

Exporting only 2 records using limit:

- Example :-

- mongoexport --db myDemo --collection student --limit 2 --out D:\MongoBackup\studentdata.json

```
Command Prompt                                                        —  □  ×

C:\Users\91997>mongoexport --db myDemo --collection student --limit 2 --out D:\MongoBackup\studentdata.json
2021-11-22T15:25:02.728+0530     connected to: mongodb://localhost/
2021-11-22T15:25:02.745+0530     exported 2 records

C:\Users\91997>
```

Exporting the whole collection in CSV format:

- Example :-

- mongoexport --db myDemo --collection student --type=csv --fields _id,name,emailid --out D:\MongoBackup\studentdata.csv

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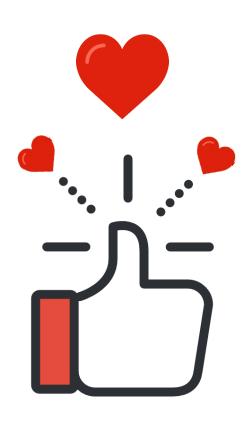# If You Liked It !
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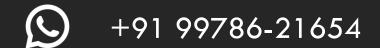
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