

Creating a Collection

In MongoDB a collection is automatically created when it is referenced in any command. For example, if you run an insert command :

```
db.student.insert({  
  name: "Viraj"  
})
```

Above command will create a collection named **student** if it doesn't exist already in the database. But we can explicitly create a collection using the `createCollection()` command. The syntax of createCollection method is :

```
db.createCollection(name, options)
```

In the above command, **name** will be the name of the collection and **options** is a document which can be used to specify configurations for the collection.

options parameter is optional, and you can simply create a collection by just providing a name for the collection. But if you want to configure your collection, you can use various options available to do so. Following are the available configuration options for creating a collection in MongoDB :

Field	Type	Description
capped	boolean	(Optional) To create a capped collection, where in we specify the the maximum size or document counts to prevent it from growing beyond a set maximum value.
size	number	(Optional) To specify the maximum size in bytes for a capped collection. If a collection is capped and reaches its maximum size limit, MongoDB then removes older documents from it to make space for new.
max	number	(Optional) This can be used to specify the maximum number of documents allowed in a capped collection.
validator	document	(Optional) Validates any document inserted or updated against provided validation rules.

Creating a Capped Collection

We can create a capped collection using the following command.

```
db.createCollection("student", { capped : true, size : 5242880, max : 5000 } )
```

This will create a collection named student, with maximum size of 5 megabytes and maximum of 5000 documents.

Drop a Collection

Any collection in a database in MongoDB can be dropped easily using the following command :

```
db.collection_name.drop()
```

`drop()` method will return true if the collection is dropped successfully, else it will return false.

Load Collections

```
show collections;
db.getCollectionNames();
```