

Collection



Collection

A collection is a group of documents. If a document is roughly equivalent to a row in a relational database management system then collection is roughly equivalent to tables.



```
{"message": "Hello, world!", "num": 10}  
{"name": "mary"}
```

Collection

❑ Dynamic Schemas

- Document with Single collection can have any number of different “shapes”.
- `{"message": "Hello , World!"} {"foo": 5}`

❑ Naming

Collection names have few restriction

- The empty string(“”) is not valid collection name.
- Collection name may not contain the character \0 .
- Collection must not start with *system*.
- Reserved character \$ should not be used for collection names.

Syntax for creating a new collection :

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

The `db.createCollection()` method has the following parameters:

Parameter	Type	Description
name	string	The name of the collection to create.
options	document	Configuration options for creating a capped collection or for preallocating space in a new collection

Creating a Collection

The options document creates a capped collection or preallocates space in a new ordinary collection.

Syntax

```
db.createCollection(name,  
    {capped: <Boolean>,autoIndexId:  
    <Boolean>, size: <number>, max:  
    <number>})
```

Attributes for the Option Field

Field	Type	Description
capped	Boolean	Enables a capped collection.
autoIndexId	Boolean	Specify false to disable the automatic creation of an index on the <code>_id</code> field.
size	number	Specifies a maximum size in bytes for a capped collection. The size field is required for capped collections, and ignored for other collections
max	number	The maximum number of documents allowed in the capped collection.



Hands-On

