

Big Data; 02 Practical - Python Basics 2

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:HTML:	

Basic MongoDB Operations

- [See the Tutorials here](#)

Insert Documents

Query Documents

Update Documents

Remove Documents

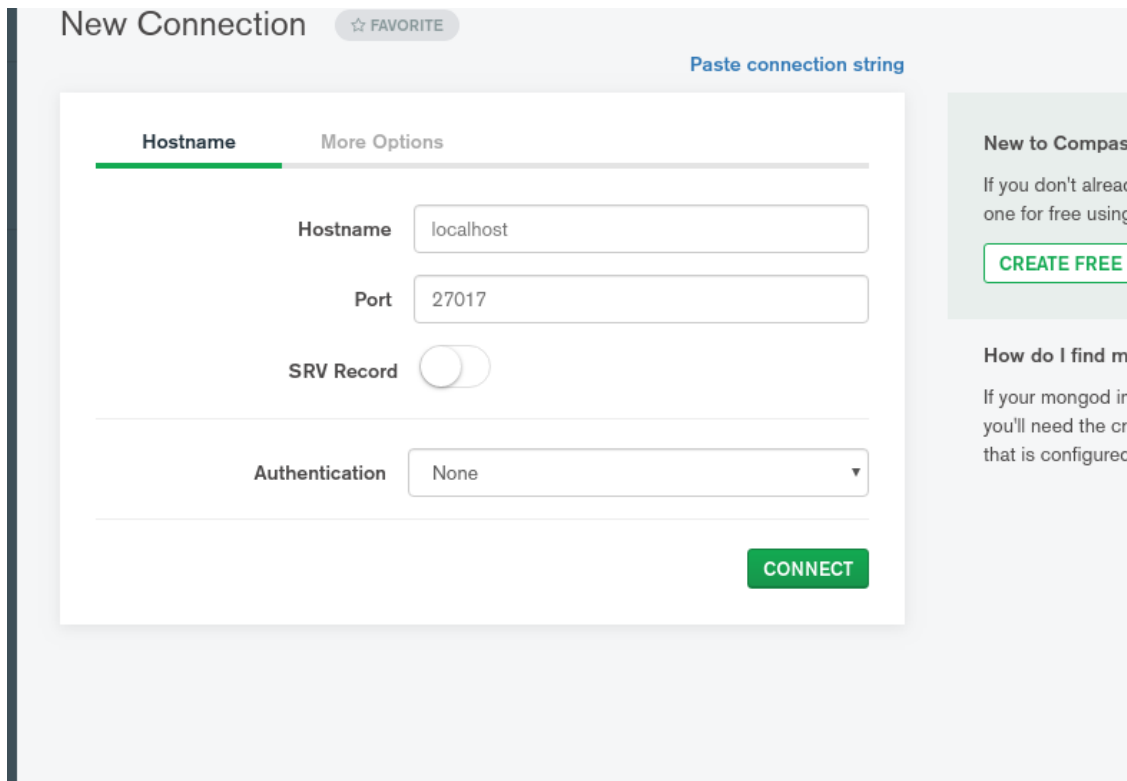
Using the product Database

The `./product.json` Database will be used here

Using the Mongo-compass program

ATTACH

1. Open mongo-compass
2. Connect to the mongoDB server
 - (a) Probably <http://localhost:38157>
 - i. If you're on SystemD check with `sudo systemctl status mongod`



The screenshot shows the 'New Connection' dialog in MongoDB Compass. The 'Hostname' tab is selected, showing fields for 'Hostname' (localhost), 'Port' (27017), and a toggle for 'SRV Record'. The 'Authentication' dropdown is set to 'None'. A green 'CONNECT' button is at the bottom right. On the right side, there is a 'New to Compass' section with a 'CREATE FREE' button and a 'How do I find my...' section with text about mongod configuration.

New Connection ☆ FAVORITE [Paste connection string](#)

Hostname More Options

Hostname

Port

SRV Record ☐

Authentication

CONNECT

New to Compass
If you don't already have a MongoDB account, you can create one for free using [MongoDB Atlas](#).

CREATE FREE ACCOUNT

How do I find my MongoDB connection string?
If your mongod is configured with authentication, you'll need the connection string that is configured in the mongod configuration file.

List Movies

Find Songs

Calculate the Average Price of Books

How to use Org-Babel Mongo

Org Babel Mongo

Support for MongoDB queries in org-mode blocks, like so:

```
#+BEGIN_SRC mongo :db staff
db.employees.count({country: "gb"});
#+END_SRC
```

```
#+RESULTS:
: 15
```

Installation

If you're hooked up to [MELPA](#):

```
M-x package-refresh-contents
M-x package-install RET ob-mongo
```

Alternatively just grab the single `ob-mongo.el` file and install that in your preferred way.

Status

Alpha. Safe to use, but feature-poor. It's still better than it not existing at all. ;-)

Options

Each block supports the following arguments:

Argument	Description	Example	Default
:db	Database name.	#+BEGIN_SRC mongo :db staff	None.
:host	Host	#+BEGIN_SRC mongo :host localhost	None.
:port	Port	#+BEGIN_SRC mongo :port 27018	None.
:user	Username	#+BEGIN_SRC mongo :user root	None.
:password	Password	#+BEGIN_SRC mongo :password superword	None.
:mongoexec	Mongo executable	#+BEGIN_SRC mongo :mongoexec mongo26	"mongo"

All defaults are customizable with `M-x customize-group RET ob-mongo`.