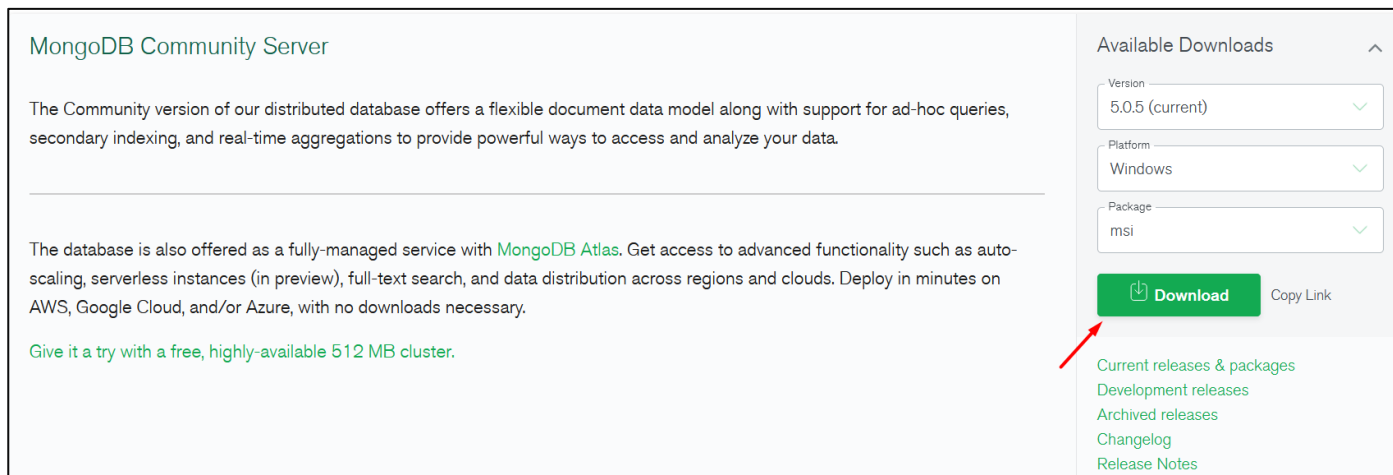


# Mongo DB Installation Guide

Guide for downloading and installation of MongoDB on Windows for the ["MongoDB Course @ SoftUni"](#).

## 1. Downloading the MongoDB MSI Installer

Download the current version of MongoDB from [here](#). Make sure you **select MSI** as the package you want to download:



MongoDB Community Server

The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries, secondary indexing, and real-time aggregations to provide powerful ways to access and analyze your data.

The database is also offered as a fully-managed service with [MongoDB Atlas](#). Get access to advanced functionality such as auto-scaling, serverless instances (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

Give it a try with a [free, highly-available 512 MB cluster](#).

Available Downloads

Version: 5.0.5 (current) ✓

Platform: Windows ✓

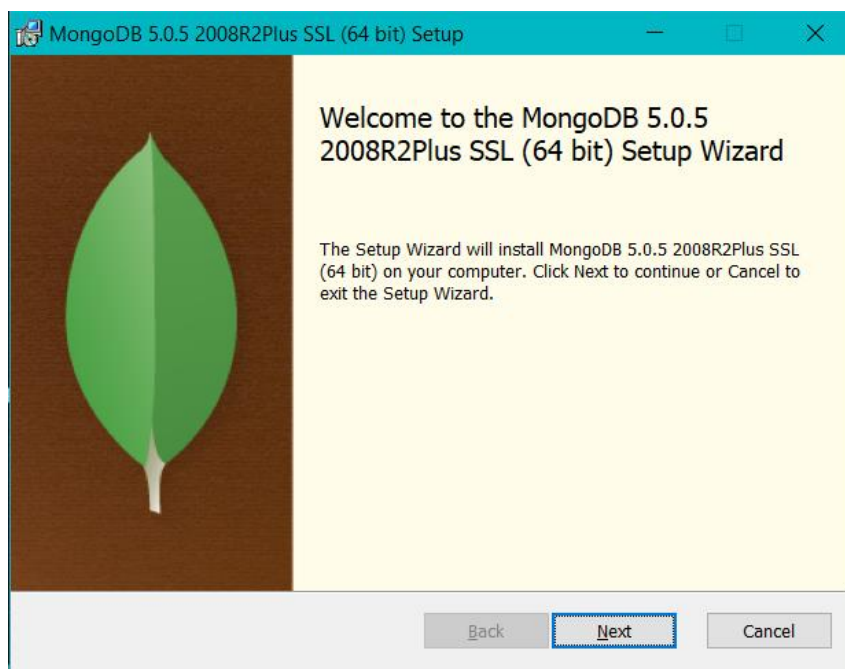
Package: msi ✓

[Download](#) [Copy Link](#)

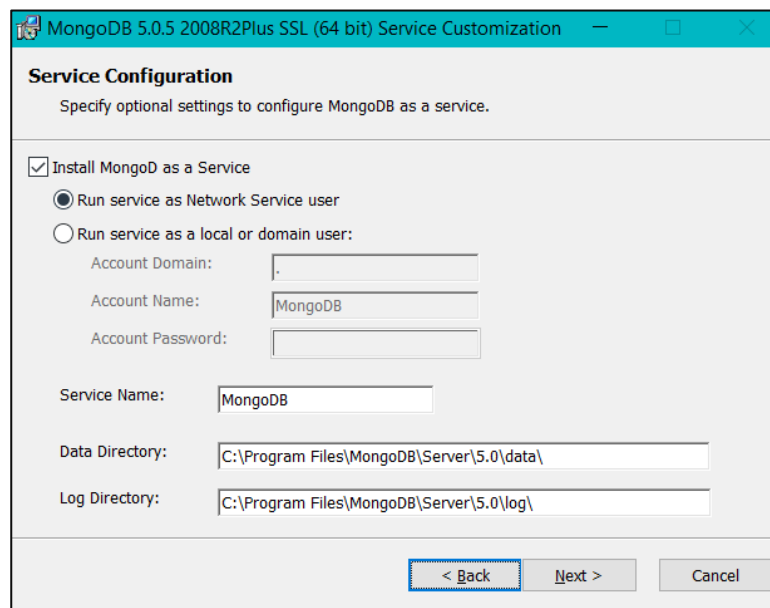
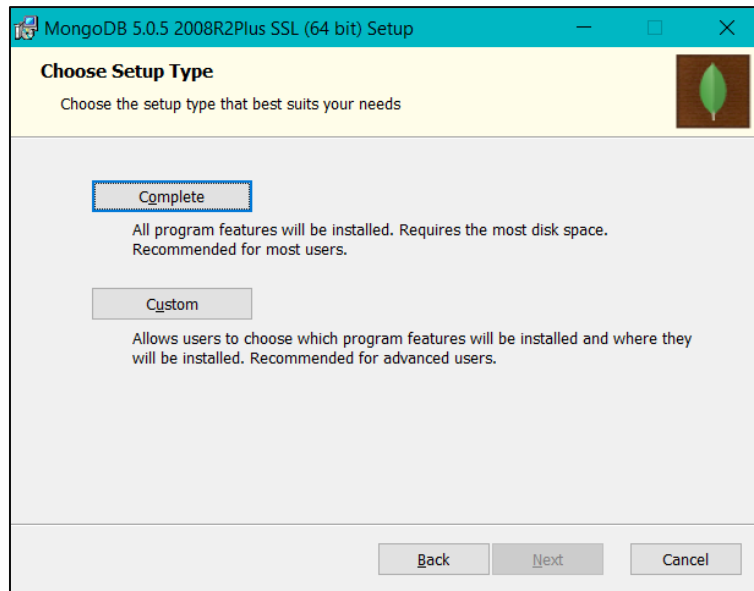
[Current releases & packages](#)  
[Development releases](#)  
[Archived releases](#)  
[Changelog](#)  
[Release Notes](#)

## 2. Installing MongoDB 5.0.5

Navigate to your downloads folder and double click on the **.msi** package you just downloaded. This will launch the installation wizard.

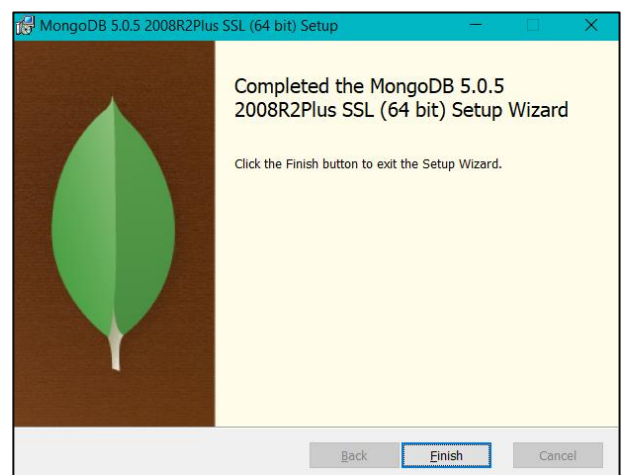
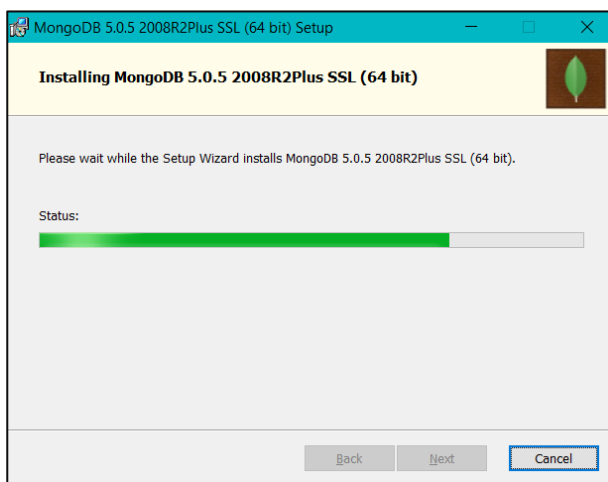
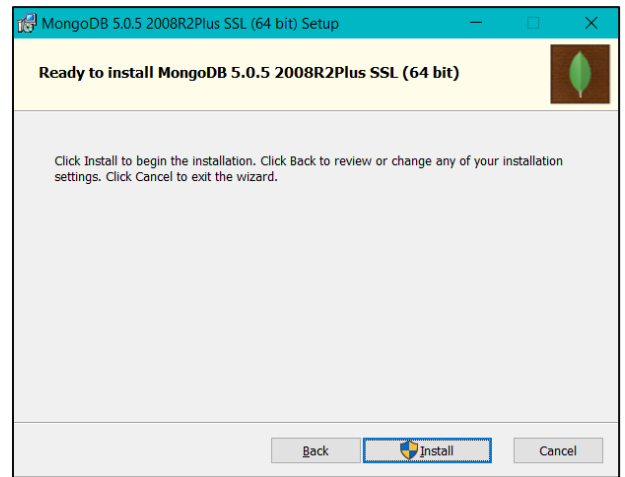
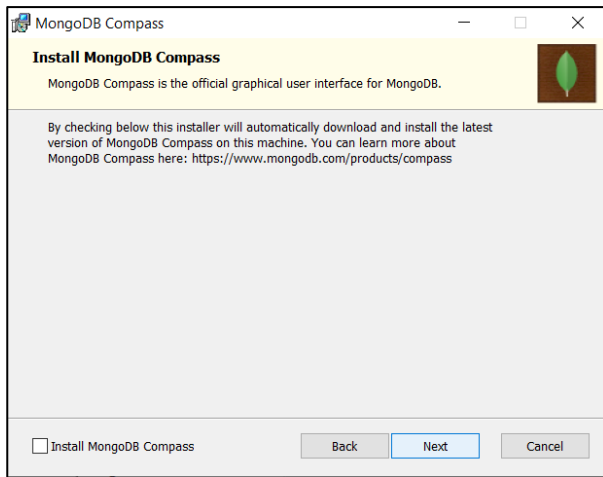


Click **Next**, then accept the license agreement and click **Next** again. Choose the **Complete** setup type:



Here we stay with the default option **Install MongoDB as a Service** and **Run service as Network Service user**.

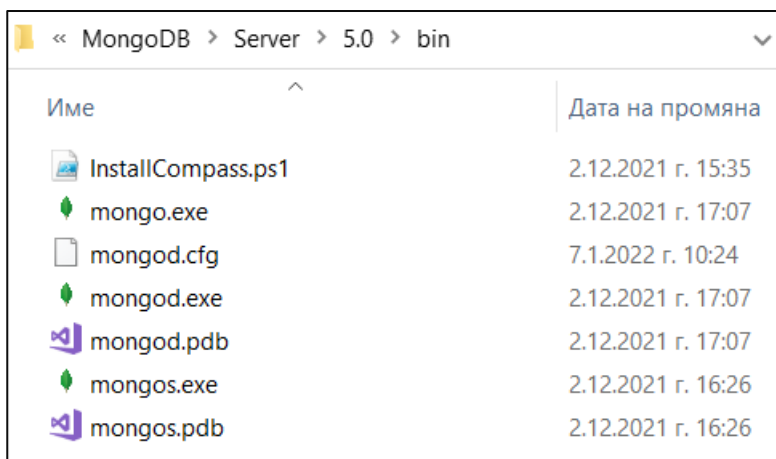
Then go through **Install** and **Finish** like this:



After finishing the installation you need to **restart** your system.

### 3. Testing the Console Client

Navigate to the installed MongoDB **bin** folder.



Open the folder in command prompt and run **>mongo** command.

```
C:\Windows\System32\cmd.exe
```

```
Microsoft Windows [Version 10.0.19044.1415]  
(c) Microsoft Corporation. Всички права запазени.
```

```
C:\Program Files\MongoDB\Server\5.0\bin>mongo
```

```
C:\Program Files\MongoDB\Server\5.0\bin>mongo
```

```
MongoDB shell version v5.0.5
```

```
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
```

```
Implicit session: session { "id" : UUID("a4e47d01-f93e-4e8e-bb28-d209cb33b47a") }
```

```
MongoDB server version: 5.0.5
```

```
=====
```

```
Warning: the "mongo" shell has been superseded by "mongosh",  
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in  
an upcoming release.
```

```
For installation instructions, see
```

```
https://docs.mongodb.com/mongodb-shell/install/
```

```
=====
```

```
---
```

```
The server generated these startup warnings when booting:
```

```
2022-01-07T10:24:52.764+02:00: Access control is not enabled for the database. Read and write access to data and  
configuration is unrestricted
```

```
---
```

```
---
```

```
Enable MongoDB's free cloud-based monitoring service, which will then receive and display  
metrics about your deployment (disk utilization, CPU, operation statistics, etc).
```

```
The monitoring data will be available on a MongoDB website with a unique URL accessible to you  
and anyone you share the URL with. MongoDB may use this information to make product  
improvements and to suggest MongoDB products and deployment options to you.
```

```
To enable free monitoring, run the following command: db.enableFreeMonitoring()
```

```
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
```

```
---
```

```
>
```

This will run the [MongoDB shell](#). You can use the mongo shell to query and update data as well as perform administrative operations. Here we can test and manually create a new database, add a collection to it.

To print a list of all databases on the server we use the **>show dbs** command.

```
> show dbs  
admin    0.000GB  
config   0.000GB  
local    0.000GB  
>
```

Create new database by **> use <databaseName>**

```
> use myDB  
switched to db myDB  
> _
```

To see the new database with the show command we should first put the same data in it. We can create a new collection with a document using **> db.<collectionName>.insert(document)**. Example:

```
> db.courses.insert({"name":"mongoDB course"})
```

Now **> show dbs** will show us our new database:

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
myDB     0.000GB
>
```

And **> show collections** will show us the new collection:

```
> show collections;
courses
>
```

Executing **> db.collection.find()** in the mongo shell automatically iterates the cursor to display up to the first 20 documents if any.

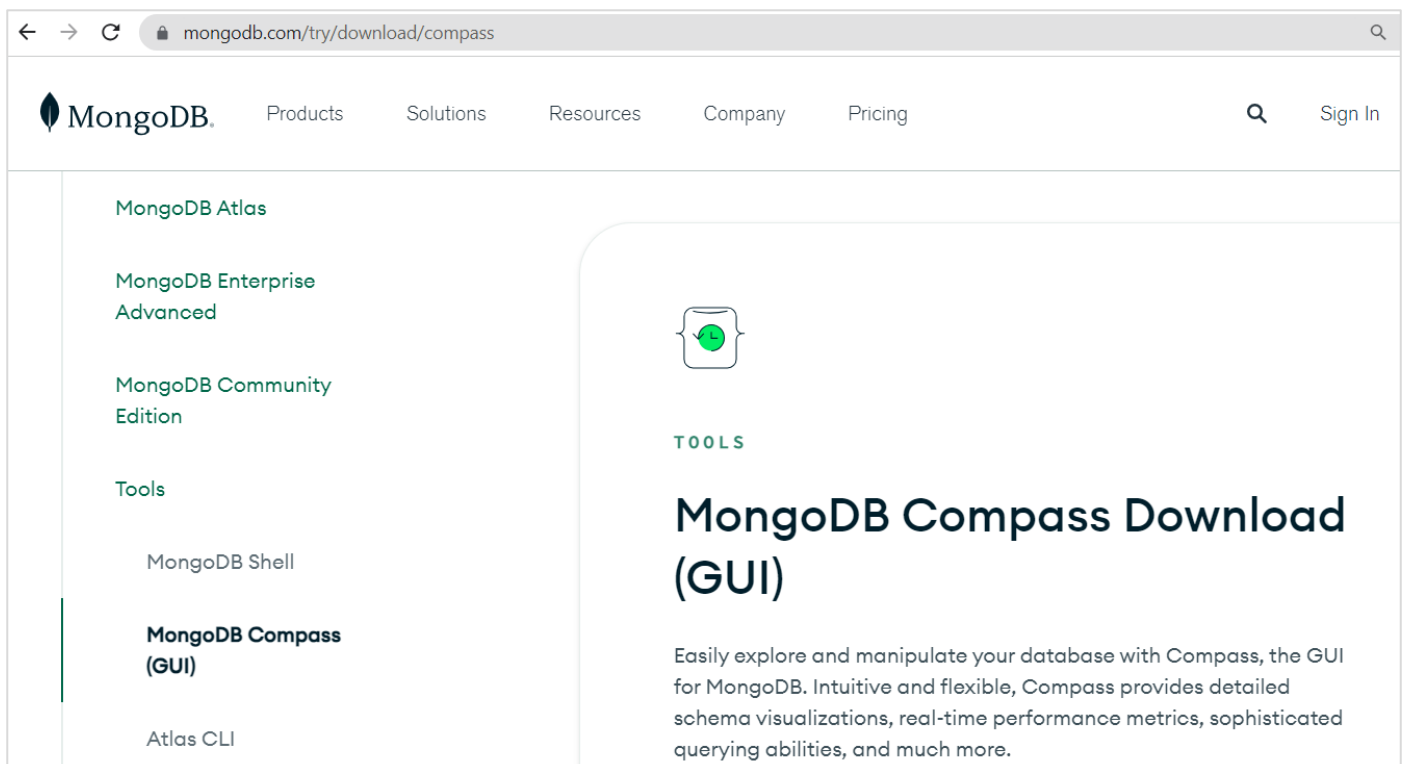
```
> db.courses.find()
{ "_id" : ObjectId("5e56c9f2dc6ce40322dd9e47"), "name" : "mongoDB course" }
>
```

Now you have MongoDB installed, tested, and ready to work. More info read on [The MongoDB 4.2 Manual](#).

## 4. Installing MongoDB Compass

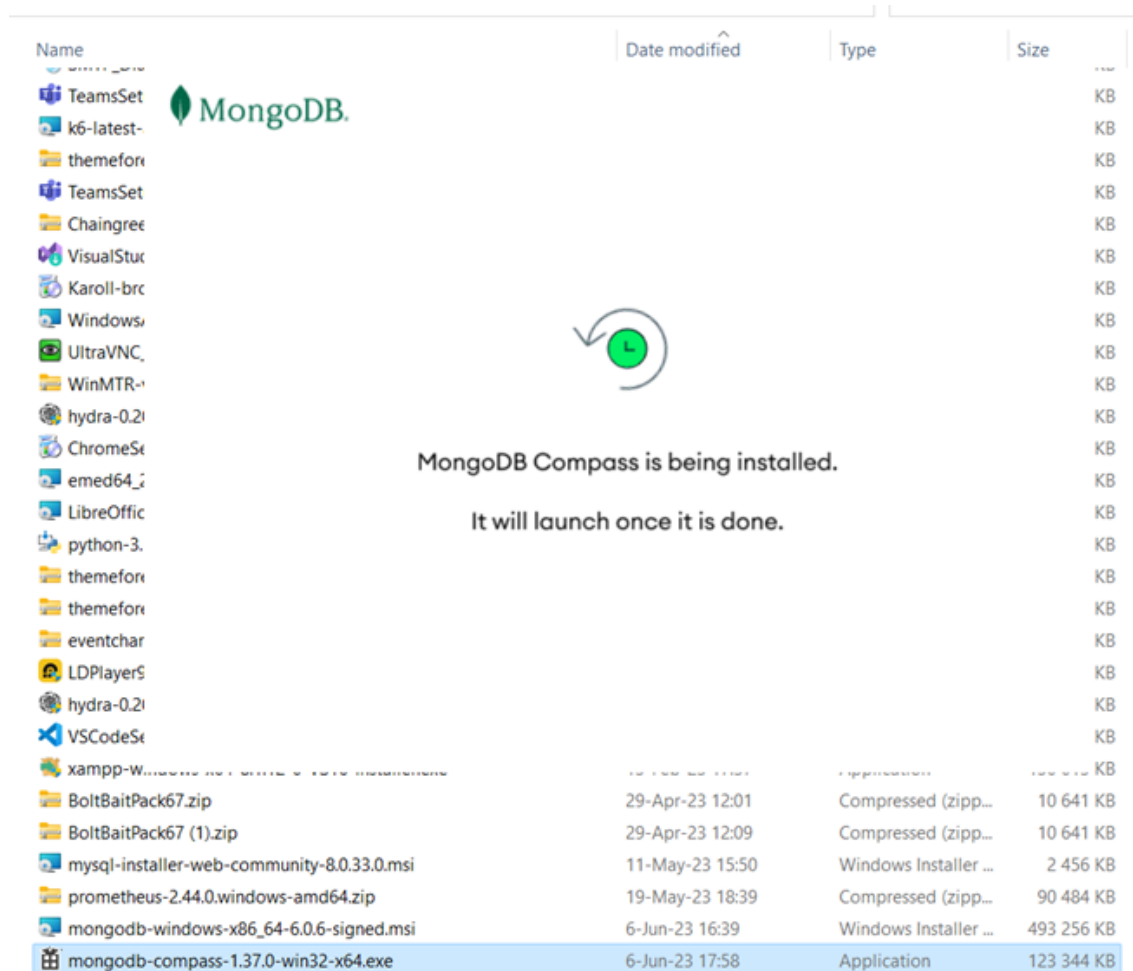
**MongoDB Compass** is a client GUI tool designed to manage and interact with MongoDB databases. It provides a user-friendly interface that allows developers and database administrators to visualize, explore, and manipulate data in MongoDB.

Download MongoDB Compass: <https://www.mongodb.com/try/download/compass>



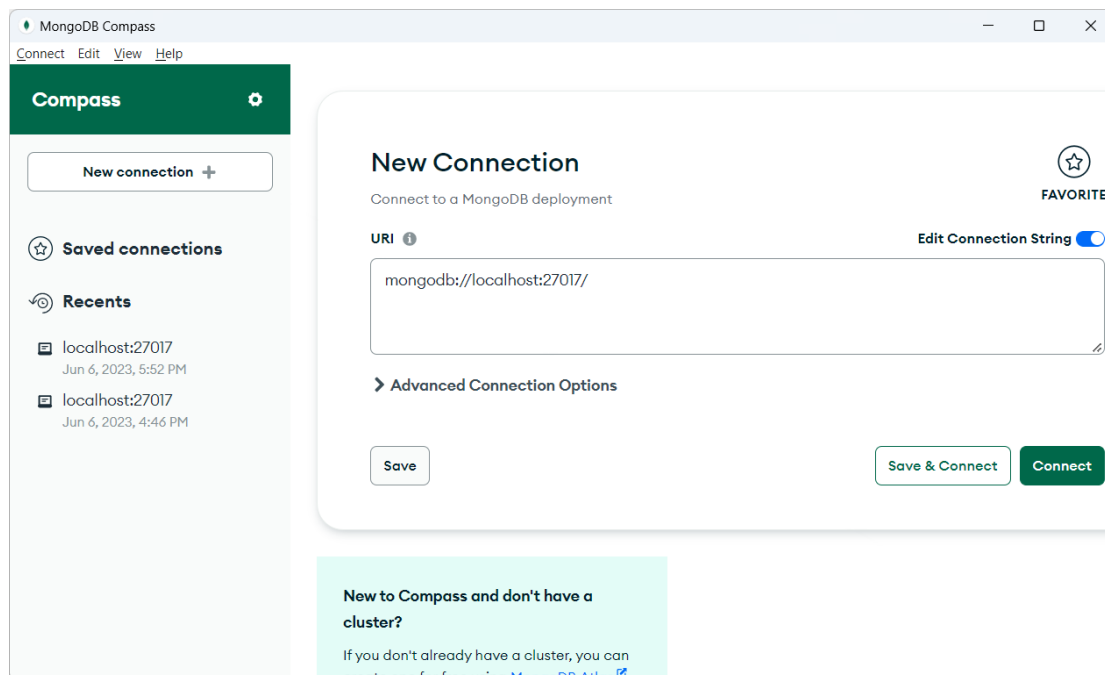
The screenshot shows the MongoDB website's download page for MongoDB Compass. The page has a navigation bar with links to Products, Solutions, Resources, Company, and Pricing. A sidebar on the left lists various MongoDB offerings: MongoDB Atlas, MongoDB Enterprise Advanced, MongoDB Community Edition, Tools (which is selected), MongoDB Shell, MongoDB Compass (GUI), and Atlas CLI. The main content area features a large heading "MongoDB Compass Download (GUI)" and a subheading "TOOLS". Below the heading, there is a description: "Easily explore and manipulate your database with Compass, the GUI for MongoDB. Intuitive and flexible, Compass provides detailed schema visualizations, real-time performance metrics, sophisticated querying abilities, and much more." A green icon with a checkmark and a database symbol is also visible.

Install it on your laptop:



## 5. Playing with MongoDB Compass

Launch MongoDB Compass, after the installation and connect to the MongoDB database server.



Create a database “blog” and a collection “article” inside it and insert a few objects in it:

MongoDB Compass - localhost:27017/blog.articles

Connect Edit View Collection Help

localhost:27017 Documents blog.articles

My Queries Databases Search

admin blog articles config local

blog.articles 2 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT DATA 1 - 2 of 2

```
{
  "_id": ObjectId('647f46e611e023152797a3e5'),
  "title": "AutoGPT",
  "readTimes": 31,
  "body": "AutoGPT is a tool to automate ChatGPT with Internet searches for solvi..."
}
```

```
{
  "_id": ObjectId('647f473811e023152797a3e7'),
  "title": "Playground AI",
  "readTimes": 112,
  "body": "Playground AI is an image generator based on stable diffusion"
}
```

>\_MONGOSH

Sample JSON data. This is a sample data row:

```
{
  "title": "AutoGPT",
  "readTimes": 31,
  "body": "AutoGPT is a tool to automate ChatGPT with Internet searches for solving more complex tasks"
}
```

Another data row:

```
{
  "title": "Playground AI",
  "readTimes": 112,
  "body": "Playground AI is an image generator based on stable diffusion"
}
```