

# INSTALLATION PROCESS

## INSTALLATION OF MONGO COMPASS

### WHY WE NEED TO INSTALL MONGO COMPASS??

You'd install MongoDB Compass if you're working with a MongoDB database and want a more user-friendly way to interact with it compared to using the command line interface (CLI). Here are some key reasons why MongoDB Compass can be beneficial:

- **Visual Interface:** Compass provides a graphical user interface (GUI) that makes it easier to browse databases, collections, and documents. You can visually explore your data structure and navigate through documents without needing to write complex queries.
- **Intuitive querying:** While MongoDB uses a query language, Compass offers a visual query builder that simplifies the process. You can construct queries using a drag-and-drop interface or point-and-click options, making it accessible even for those unfamiliar with the query language syntax.
- **Data manipulation:** Compass allows you to edit, create, and delete documents directly within the interface. You can add new fields, modify existing values, or remove documents as needed. This provides a convenient way to manage your data without relying solely on command-line tools.
- **Aggregation Pipeline:** Compass offers a visual editor for building aggregation pipelines, which are powerful tools for transforming and analyzing data. You can drag and drop stages like filtering, sorting, grouping, and calculating statistics to manipulate your data and gain insights.
- **Improved Efficiency:** Using Compass can streamline your workflow, especially for frequently performed tasks like data exploration, basic querying, and data modification. The visual interface can save you time compared to writing and executing commands in the CLI.
- **Collaboration:** Compass allows you to share connections and queries with colleagues, facilitating collaboration on managing and analyzing MongoDB data. This can be helpful for teams working together on a project that involves a MongoDB database.

### First Step:

Note: MongoDB Shell is an open source (Apache 2.0), standalone product developed separately from the MongoDB Server.

[Learn more](#)

Version

2.2.6



Platform

Windows x64 (10+)



Package

zip



Download



Copy link

More Options ...

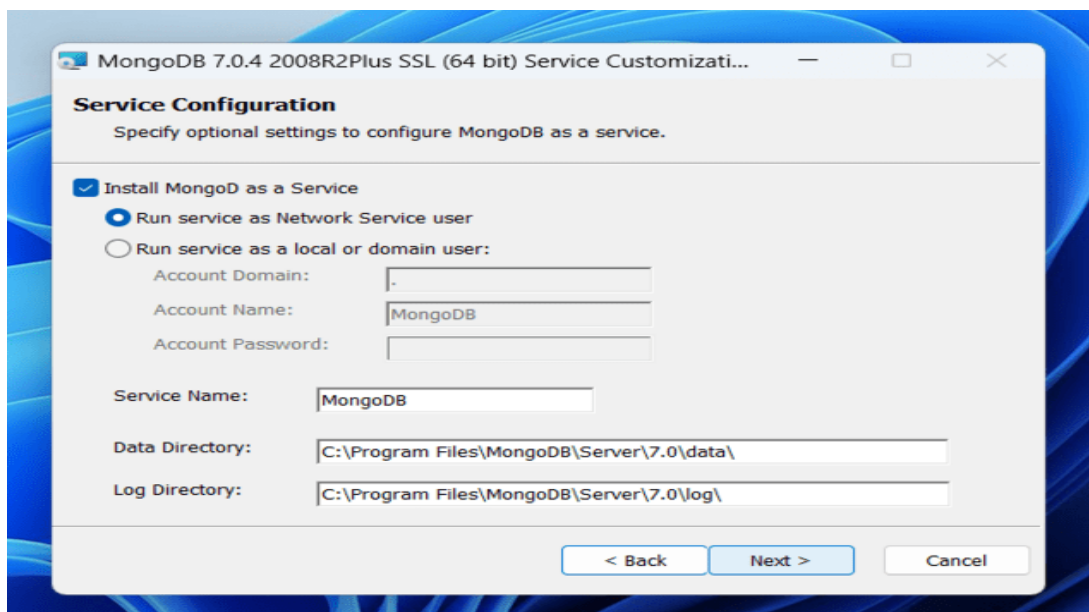
## Second Step:

When the download is complete open the msi file and click the next button in the startup screen.



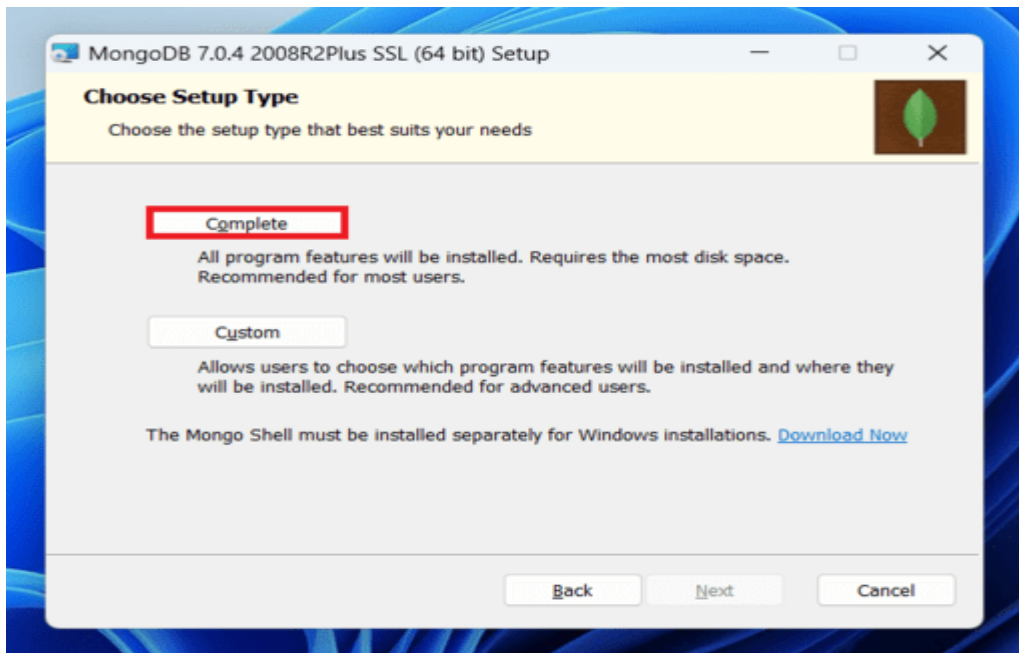
## Third Step:

Now accept the End-User License Agreement and click the next button



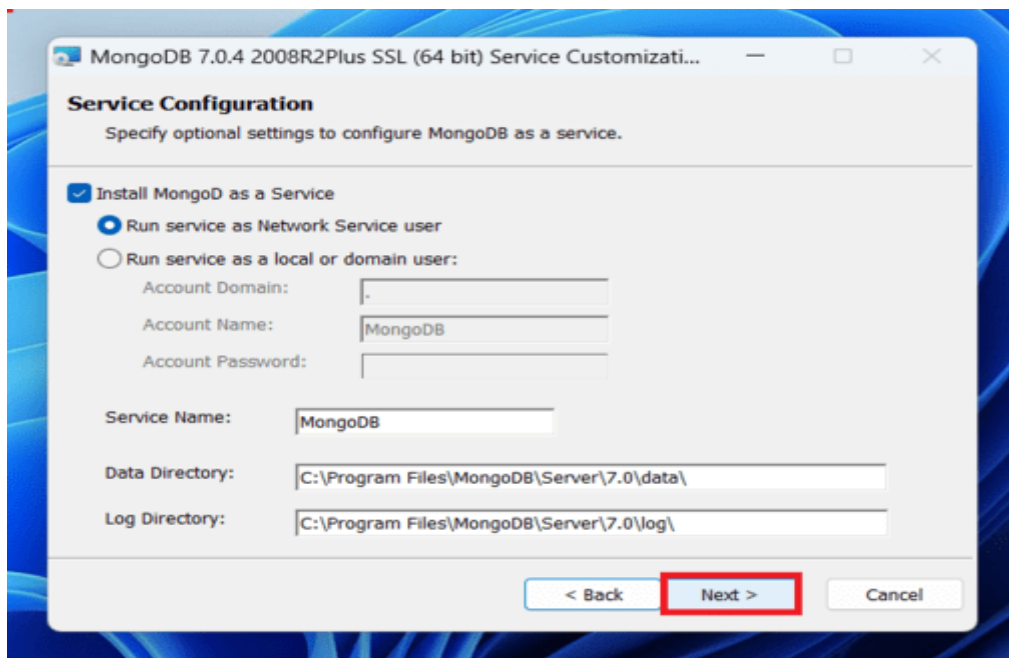
## Fourth Step:

select the complete option to install all the program features. Here, if you can want to install only selected program features and want to select the location of the installation, then use the Custom option



### Fifth Step:

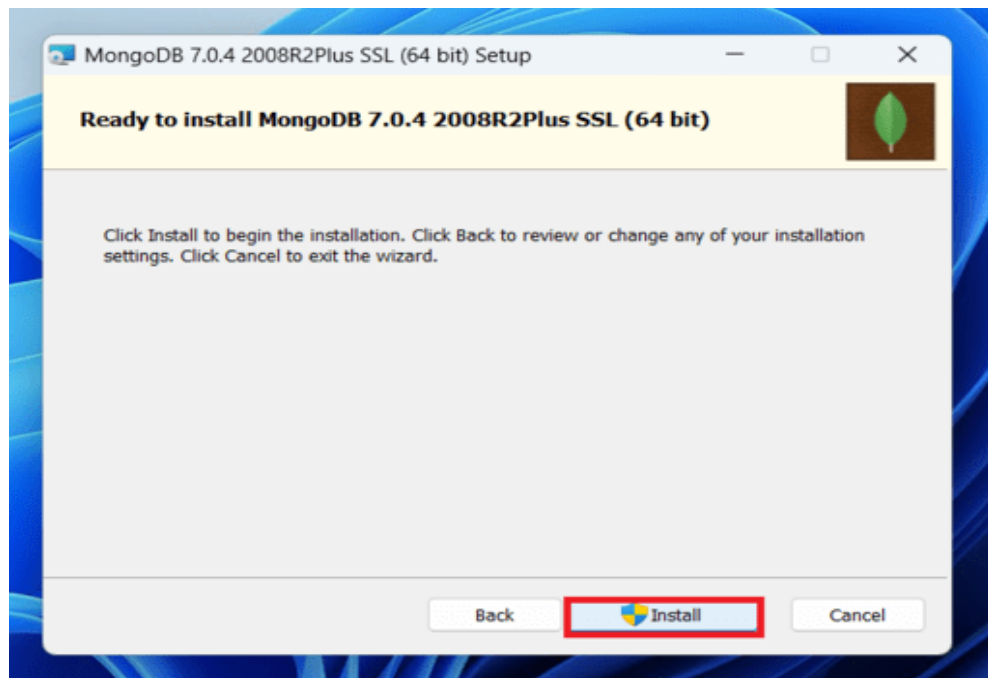
Select “Run service as Network Service user” and copy the path of the data directory. Click Next





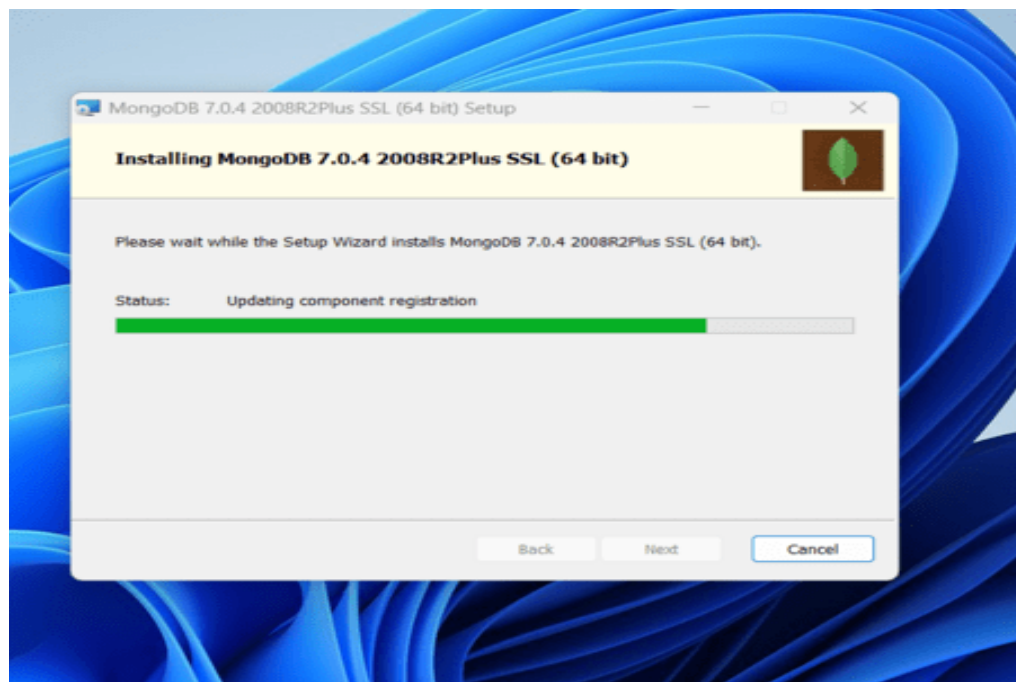
## Sixth Step:

Click the Install button to start the MongoDB installation process



## Last Step:

Installation completed



## INSTALLATION OF MONGO SHELL

### WHY WE NEED TO INSTALL MONGO SHELL??

You'd install MongoDB Shell (also sometimes referred to as mongosh) for several reasons if you're working with a MongoDB database:

- **Direct Database Access:** The shell provides a powerful command-line interface (CLI) for directly interacting with your MongoDB deployments. This allows you to execute various operations on your database, including:
  - Managing databases and collections (creating, listing, dropping)
  - Inserting, querying, updating, and deleting documents
  - Running administrative tasks (user management, configuration changes)
- **Scripting and Automation:** The shell uses JavaScript, allowing you to write scripts for automating repetitive tasks or building data processing pipelines. This can save you time and effort compared to manually executing commands one by one.
- **Flexibility and Power:** While MongoDB Compass offers a visual interface, the shell provides a more versatile and powerful way to interact with your database. You can write complex queries, use advanced features like aggregation pipelines, and leverage the full functionality of the JavaScript language for data manipulation.
- **Lightweight and Efficient:** The shell is a lightweight tool compared to a full GUI application like Compass. It requires minimal resources to run, making it suitable for environments where resource efficiency is a concern. This can be useful on servers or cloud deployments.
- **Remote Access:** You can use the shell to connect to and manage MongoDB instances remotely. This is particularly helpful if your database is hosted on a different server or in a cloud environment.
- **Learning and Scripting:** The shell is a great tool for learning the fundamentals of MongoDB and the JavaScript query language. By writing scripts, you can gain a deeper understanding of how to interact with and manipulate data in MongoDB.

### First Step:

Open the MongoDB Shell download page and Open the MongoDB Download Center

Note: MongoDB Shell is an open source (Apache 2.0), standalone product developed separately from the MongoDB Server.

Learn more

Version

2.2.6

▼

Platform

Windows x64 (10+)

▼

Package

msi

▼

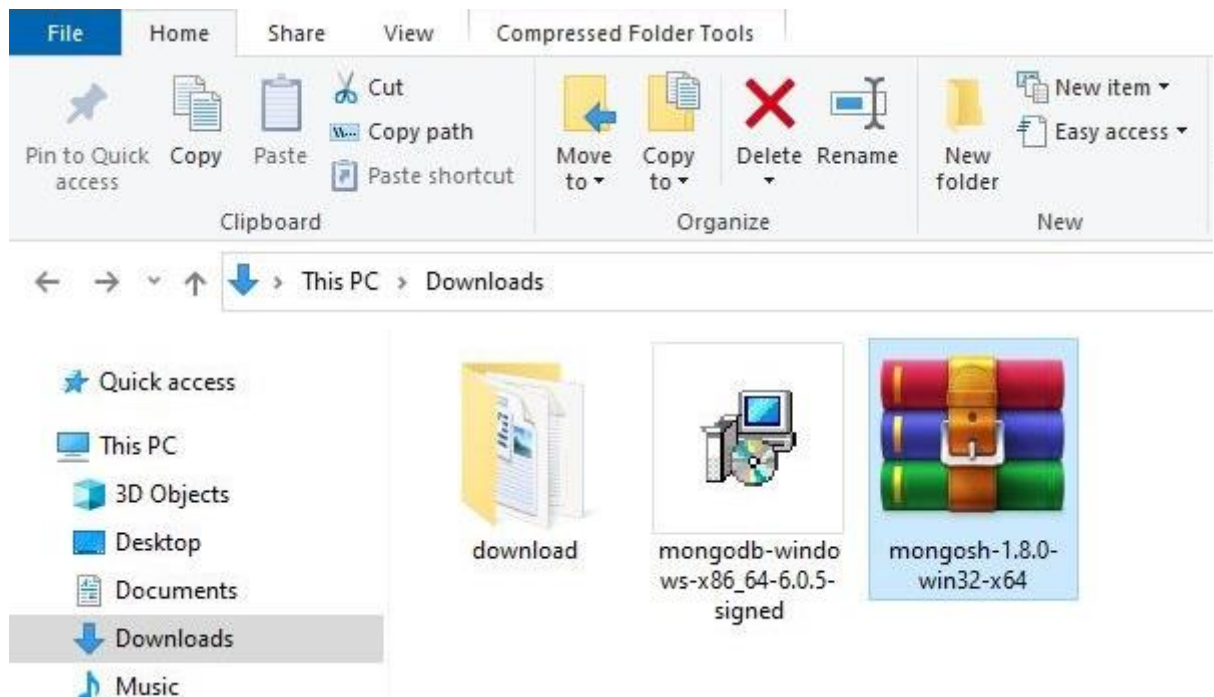
Download

Copy link

More Options

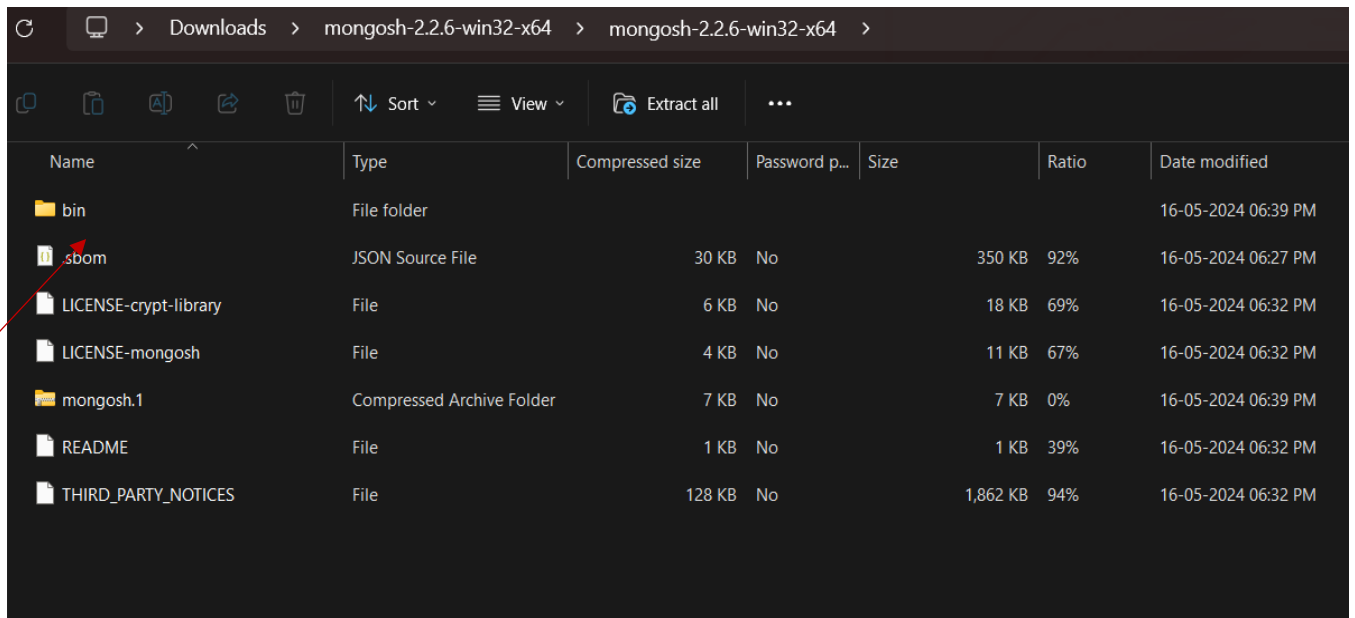
## Second Step:

Locate the downloaded .zip file in your Downloads folder (or wherever you saved it).

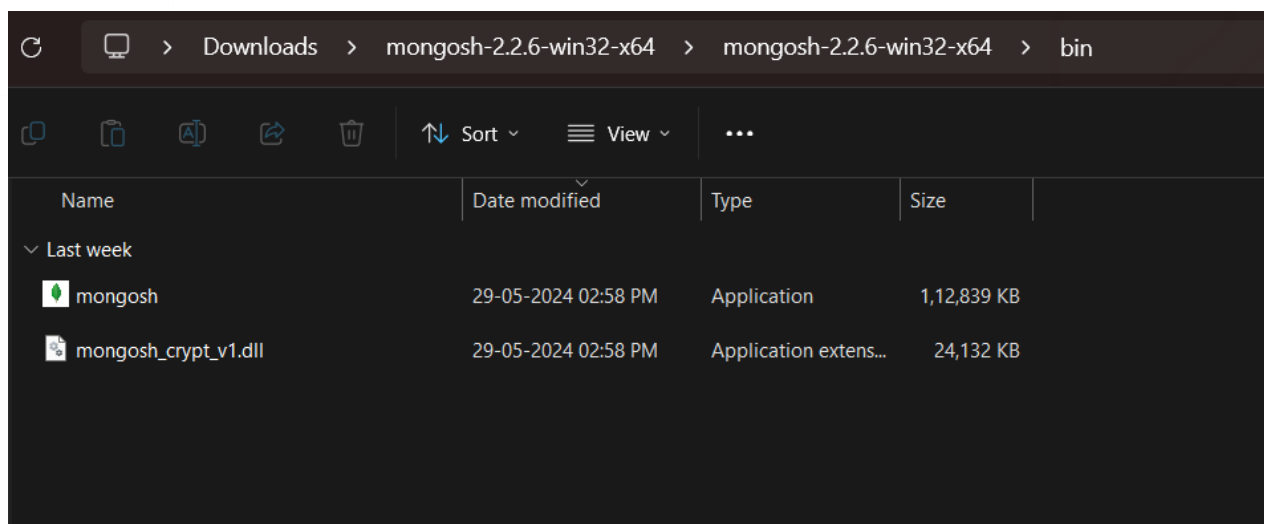


## Last Step:

Right-click on the mongosh-2.2.6-win32-x64 file and select "Extract Here"



Click on **bin** and open **mongosh**



```
mongosh mongodb://127.0.0.1:27017/mongodb?directConnection=true&serverSelectionTimeoutMS=2000
Please enter a MongoDB connection string (Default: mongodb://localhost/): mongodb
mongodb
Current Mongosh Log ID: 6661d6968d1bc32eebcdcdf5
Connecting to:      mongodb://127.0.0.1:27017/mongodb?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.6
Using MongoDB:      7.0.11
Using Mongosh:       2.2.6

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

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The server generated these startup warnings when booting
2024-06-01T07:41:19.717+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
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mongodb>
```

This is how it look after opening mongosh