

Name: Shreyas Shridhar Limaye

Roll No: 24CO307

Department of Computer Engineering

AISSMS College of Engineering, Pune

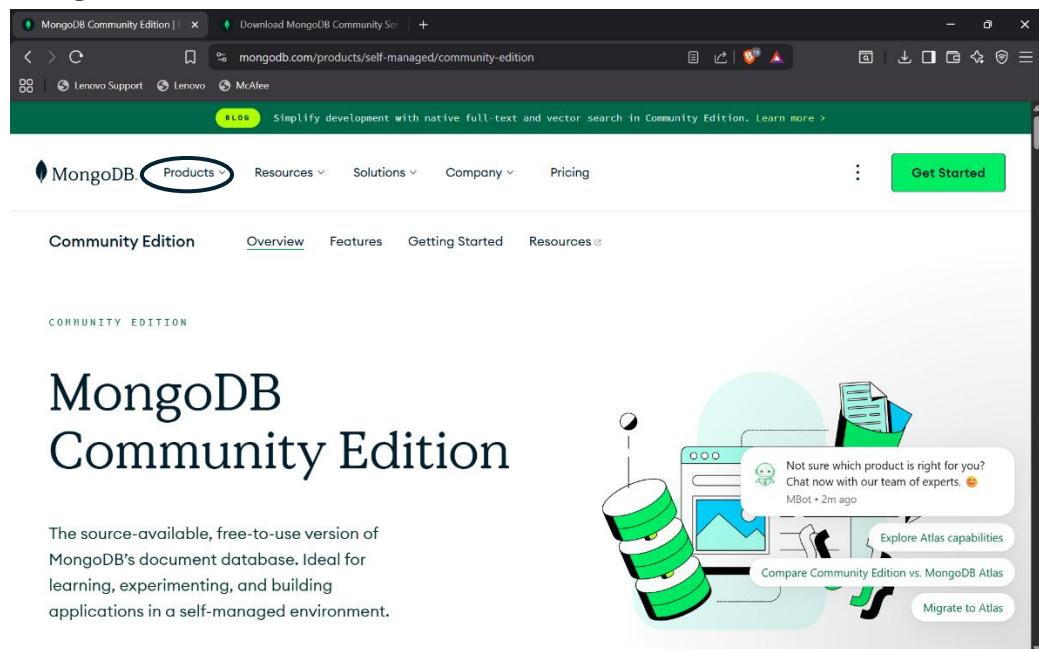
Installation Steps for MongoDB on Windows 11

The installation process is split into three main parts:

1. Install MongoDB Community Server:

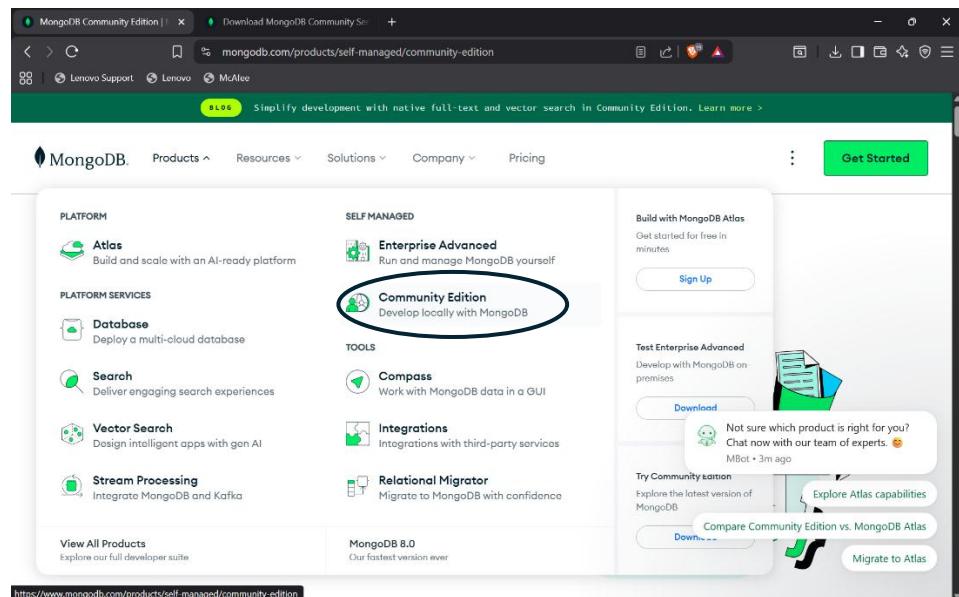
1. Download the Installer:

- Go to your web browser and search for MongoDB.
- Navigate to the official website and click on the Products menu.



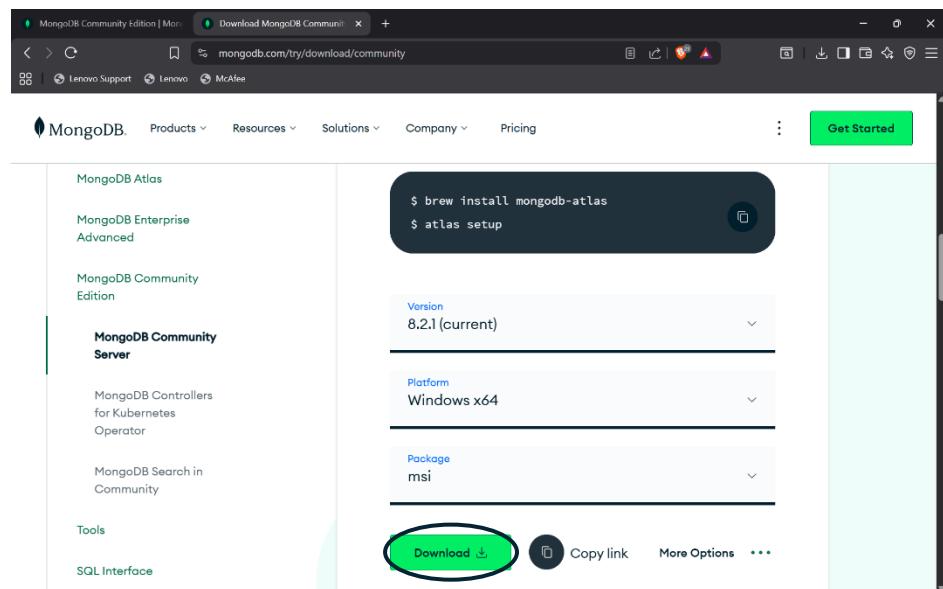
- Select the free, open-source version, which is the **Community Edition** (Community Server).

MongoDB Setup



The screenshot shows the MongoDB website at <https://www.mongodb.com/products/self-managed/community-edition>. The 'Community Edition' option under the 'SELF MANAGED' section is circled in black. Other options shown include 'Enterprise Advanced' and 'Atlas'. A green 'Get Started' button is visible in the top right corner.

- Scroll down, select the package (MSI installer for 64-bit is the default), and click Download.

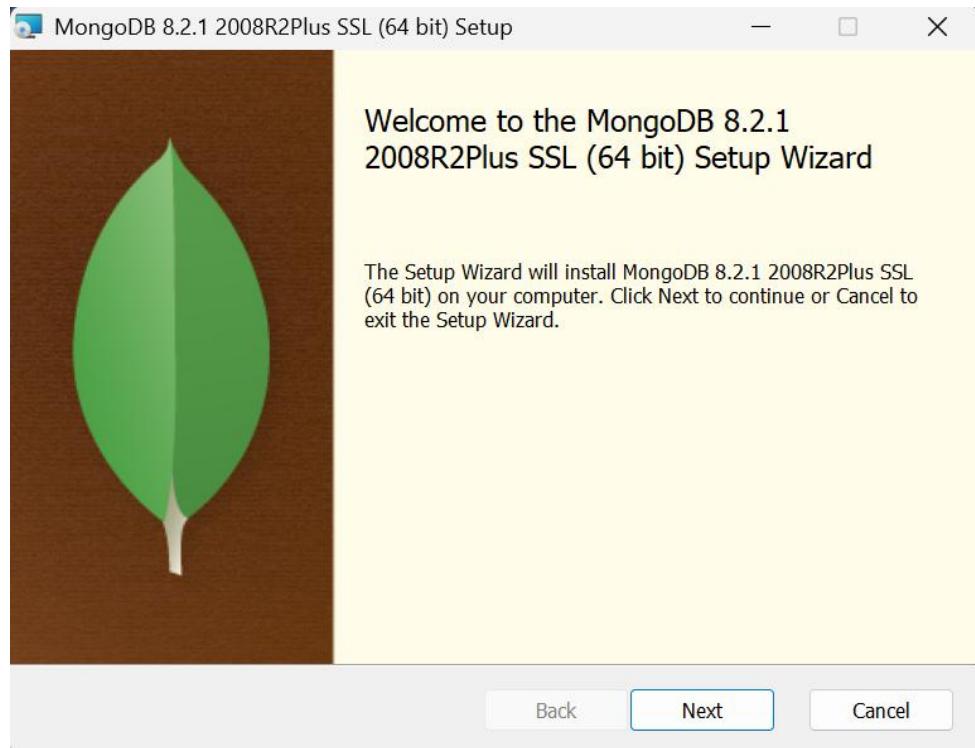


The screenshot shows the MongoDB Try page at <https://www.mongodb.com/try/download/community>. The 'MongoDB Community Server' section is selected. The 'Platform' dropdown is set to 'Windows x64' and the 'Package' dropdown is set to 'msi'. The 'Download' button is circled in black at the bottom of the page.

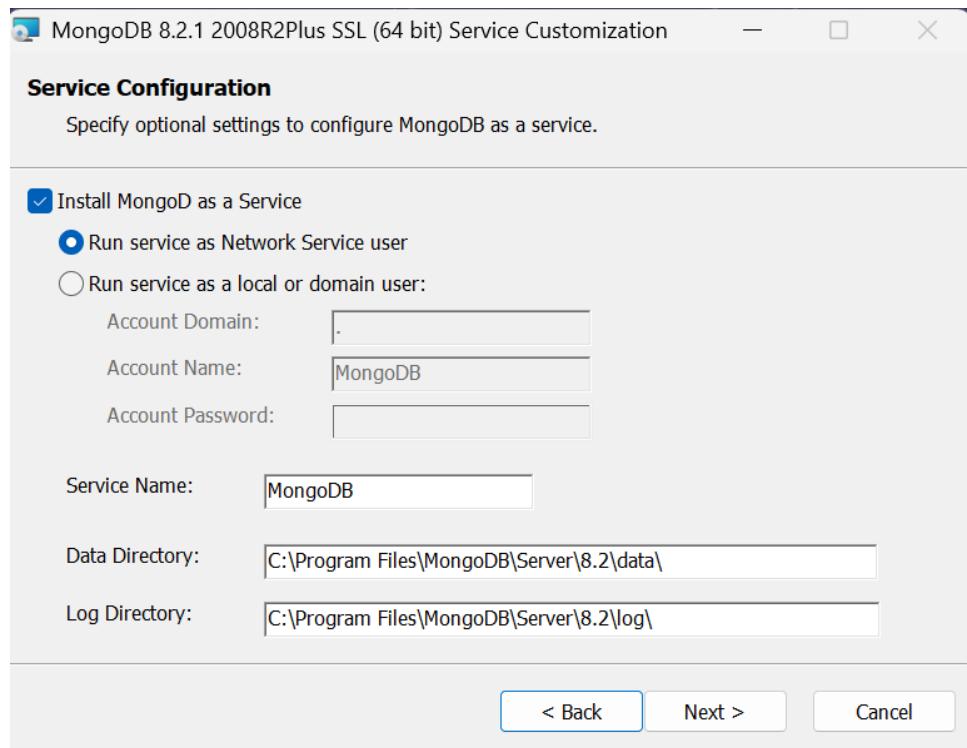
MongoDB Setup

2. Run the Setup Wizard:

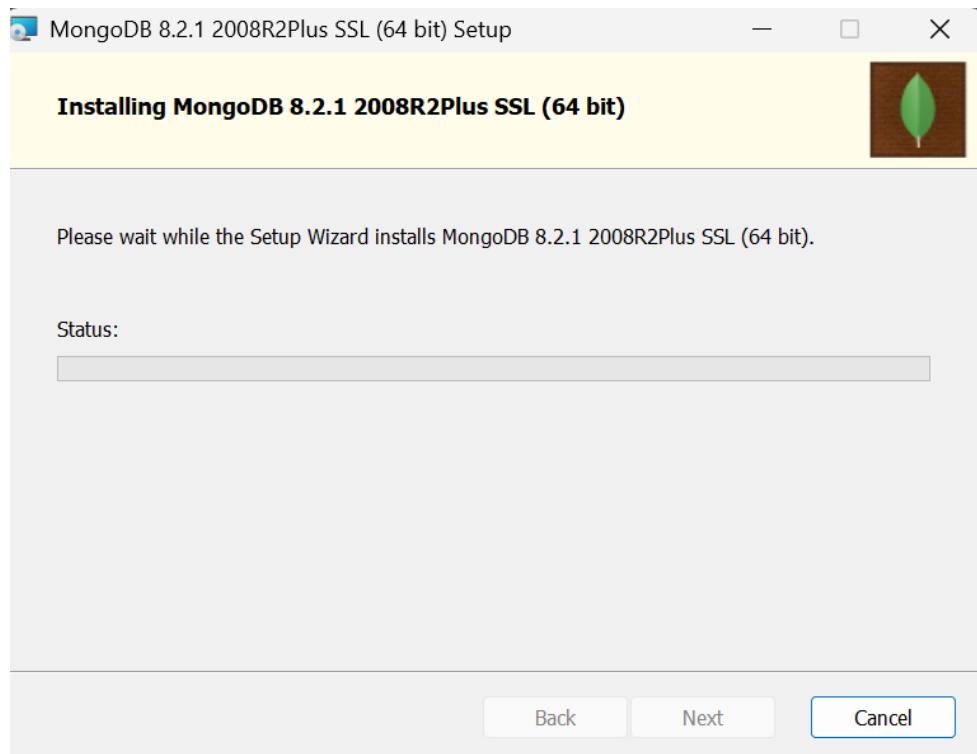
- Open the downloaded MSI installer file.



- Click Next, accept the terms and conditions, and click Next again.
- For the Setup Type, choose Complete.
- Keep the default Service Configuration settings for the MongoDB service and logging directory, then click Next.

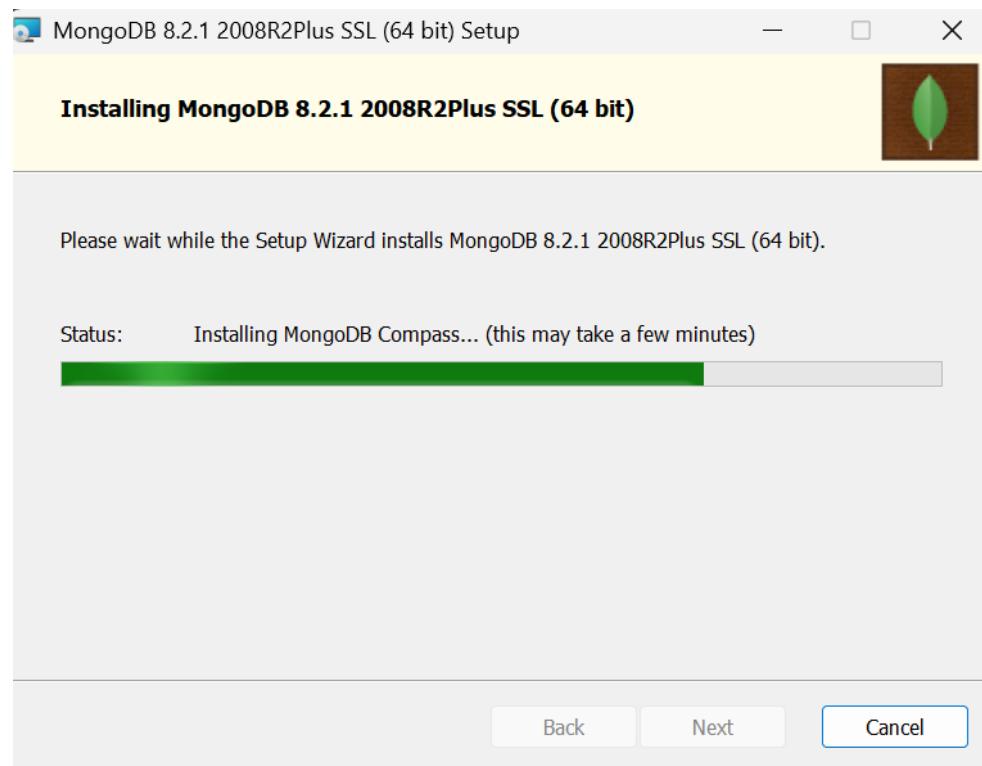


MongoDB Setup



3. (Optional):

- Install MongoDB Compass, a graphical UI tool, before clicking Next.
- Click Install to begin the installation.
- Once the installation is complete, click Finish.

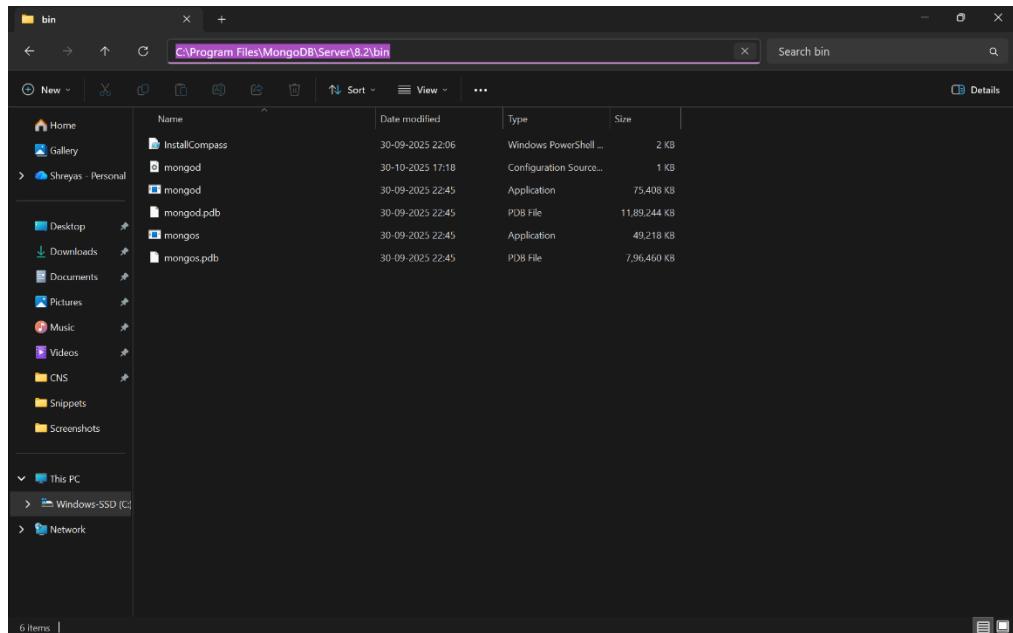


2. Set the Environment Path:

1. This step allows you to run MongoDB commands from any directory in the Command Prompt.

- **Copy the Bin Path:**

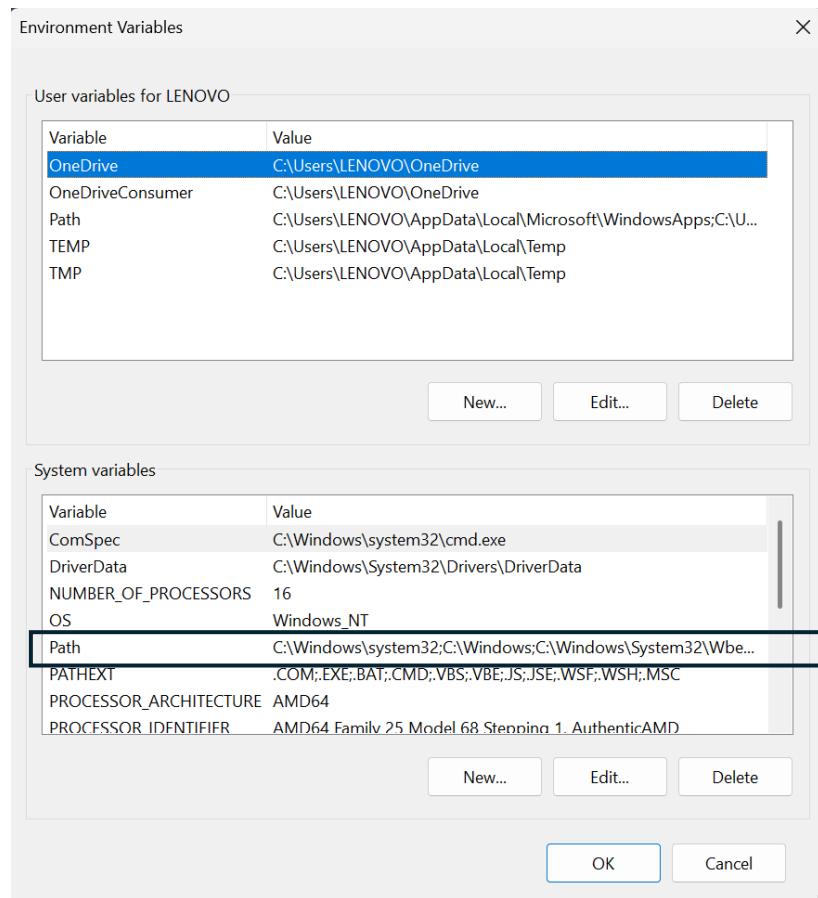
- Go to the installation directory in your file explorer: C:\Program Files\MongoDB\Server\8.2\bin.
- Copy the full path of the bin folder.



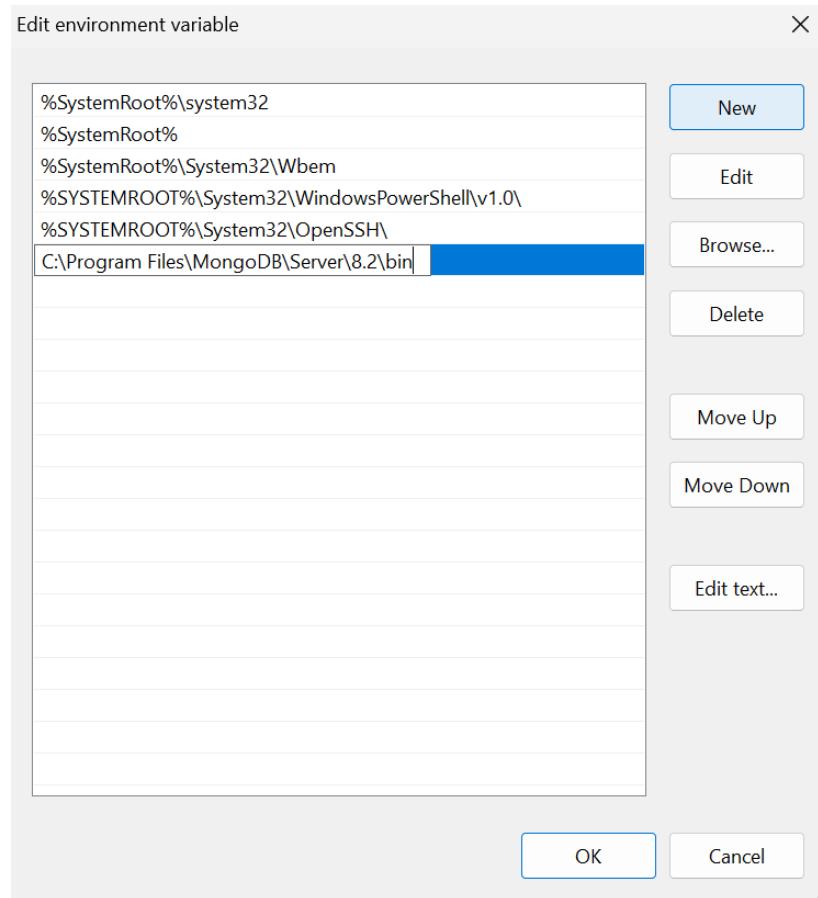
2. Edit System Environment Variables:

- Search for "environment variables" in the Windows Start menu and open "Edit the system environment variables".
- Click the Environment Variables... button.
- Under the System variables section, select Path and double-click it.

MongoDB Setup



- Click New and paste the copied path.



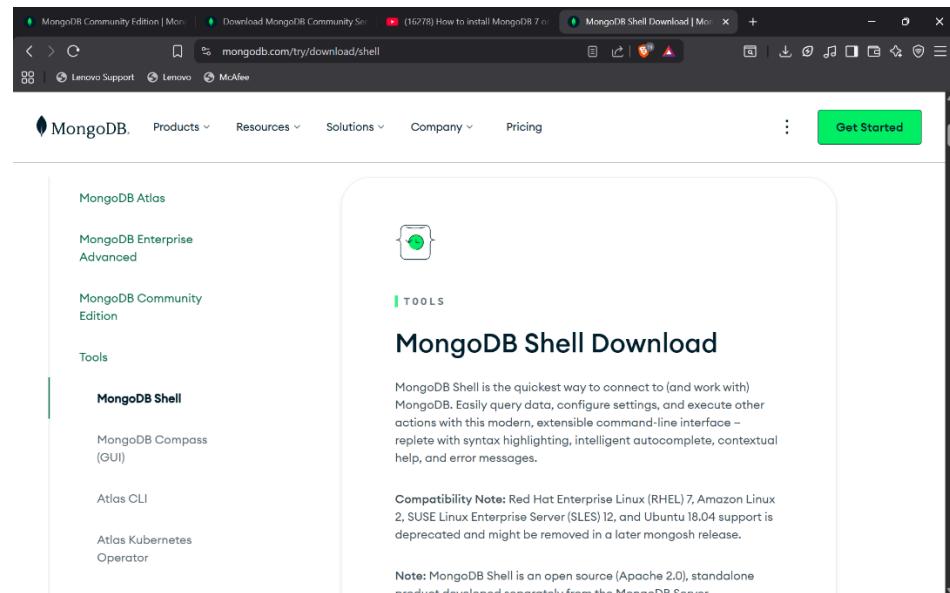
MongoDB Setup

- Click OK on all open windows to save the changes.

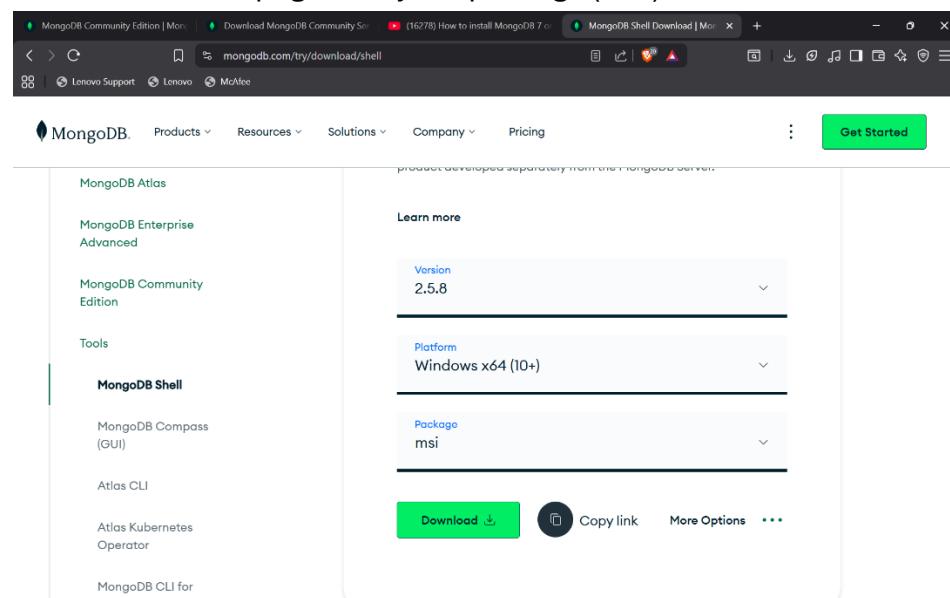
3. Install MongoDB Shell (mongosh):

1. The MongoDB shell is the command-line interface used to interact with your MongoDB deployment.

- Download the Shell Installer:
- Search for "MongoDB Shell download" on browser.

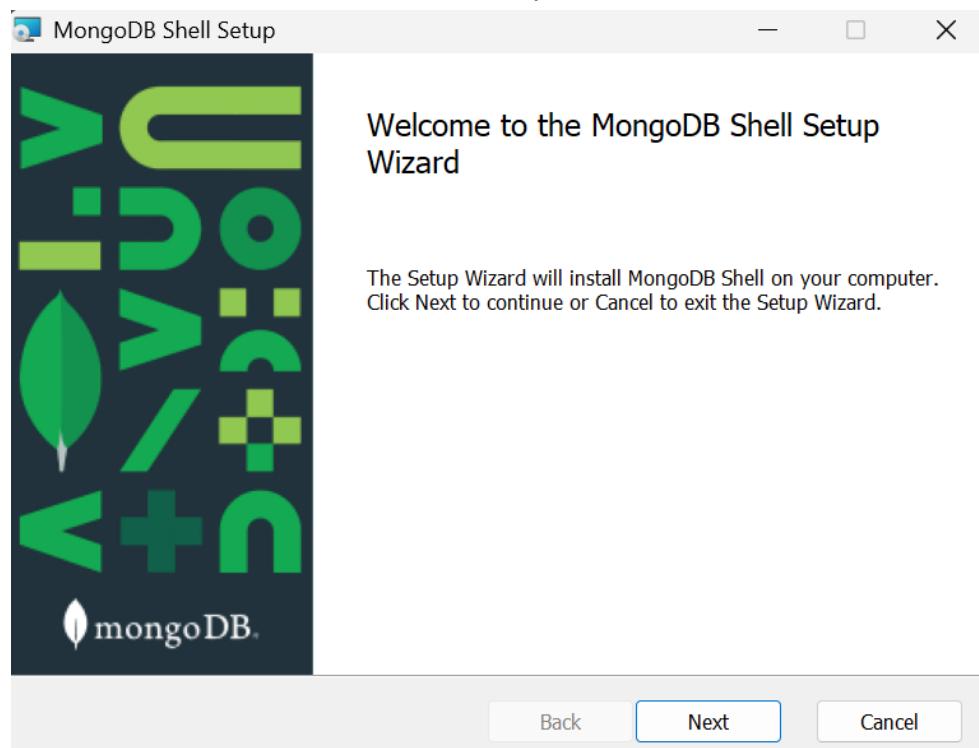


- On the download page, verify the package (MSI) and click Download.



2. Run the Shell Setup Wizard:

- Open the downloaded MSI file for the shell.
- Click Next, choose to install for All users, and click Next.
- Click Install.
- Click Finish when the installation completes.



4. Verify Installation and Start Shell:

1. Verify Server Installation:

- Open a new Command Prompt (CMD) window.
- Type mongod --version and press Enter. The version number should be displayed, confirming the server is installed correctly.

A screenshot of a Microsoft Windows Command Prompt window titled "Command Prompt". The window shows the following text:

```
Microsoft Windows [Version 10.0.26100.6899]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>mongod --version
db version v8.2.1
Build Info: {
    "version": "8.2.1",
    "gitVersion": "3312bdcf28aa65f5930005e21c2cb130f648b8c3",
    "modules": [],
    "allocator": "tcmalloc-gperf",
    "environment": {
        "distmod": "windows"
    }
}

C:\Users\LENOVO>
```

The command "mongod --version" was run, and the output shows the database version as v8.2.1 and build information.

2. Start the Shell:

- In the Command Prompt, type mongosh and press Enter to start the MongoDB Shell.
 - Once in the shell, you can type show dbs to see the default databases.
-

Reference YouTube video link:

<https://youtu.be/1LiZRYzgM2o?si=9u71RW8jIEyStovU>