

How to Setup & Run this Project

How to Run Project (Video Tutorial) -

<https://youtu.be/9ObIuvWFaSI>

OR

❖ Install NodeJs (Ignore If Already Installed)

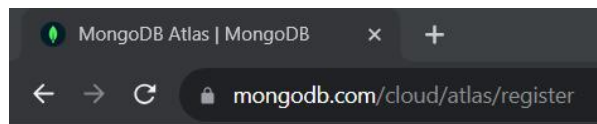
1. Visit the official Node.js website i.e)
<https://nodejs.org/en/download/>
2. Download the Node.js installer
3. Run the installer.
4. Follow the prompts in the installer.

—First Run Backend then Frontend & Admin—

❖ Steps To Setup Backend Of The Project

1. Open Project Folder In VS Code
2. Open Integrated Terminal
 - Right Click on Sidebar > Select "Open In Integrated Terminal"
3. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
4. Setup The MongoDB

a. Open this link - [LINK](https://mongodb.com/cloud/atlas/register)



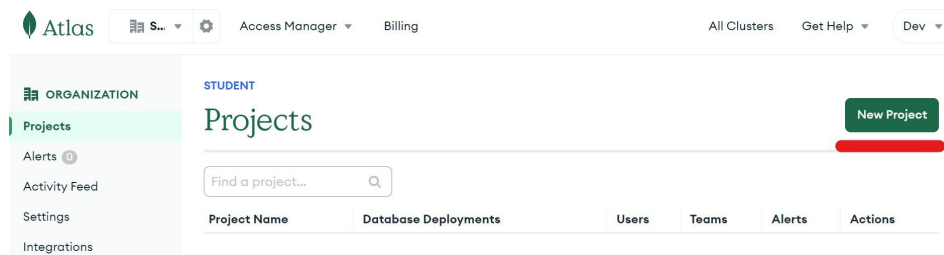
b. After that Sign Up on the website.

Sign up

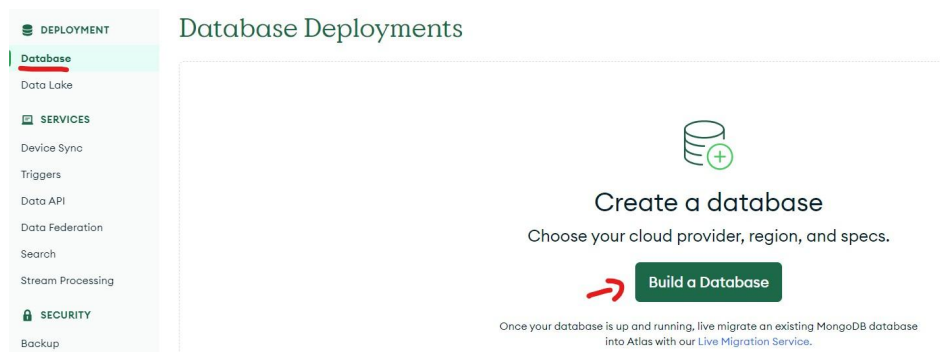
See what Atlas is capable of for free

 Sign up with Google

c. Click on New Project Option



d. After Creating Project go to Database Section & Build a database



e. Select M0 & Your Region & Create Database

MongoDB

Deploy your database

Use a template below or set up [advanced configuration options](#). You can also edit these configuration options once the cluster is created.

M10 **\$0.10/hour**
 For production applications with sophisticated workload requirements.
 STORAGE: 10 GB RAM: 2 GB vCPU: 2 vCPUs

SERVERLESS **\$0.10/1M reads**
 For application development and testing, or workloads with variable traffic.
 STORAGE: Up to 1TB RAM: Auto-scale vCPU: Auto-scale

M0 **FREE**
 For learning and exploring MongoDB in a cloud environment.
 STORAGE: 512 MB RAM: Shared vCPU: Shared

Provider: aws Google Cloud Azure

Region: ★ Recommended region ⓘ
India Mumbai (asia-south1) ★

Name: You cannot change the name once the cluster is created.

Tag (optional): Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)
 :

FREE **Create**

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime. [UI deploy my database later](#)

[Access Advanced Configuration](#)

f. Setup Username & Password & Create User

Create a database user using a username and password. Users will be given the *read and write to any database* privilege by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.

Username

Password
 Autogenerate Secure Password Copy

Create User

g. Add IP 0.0.0.0 & Click on Add Entry

Add entries to your IP Access List

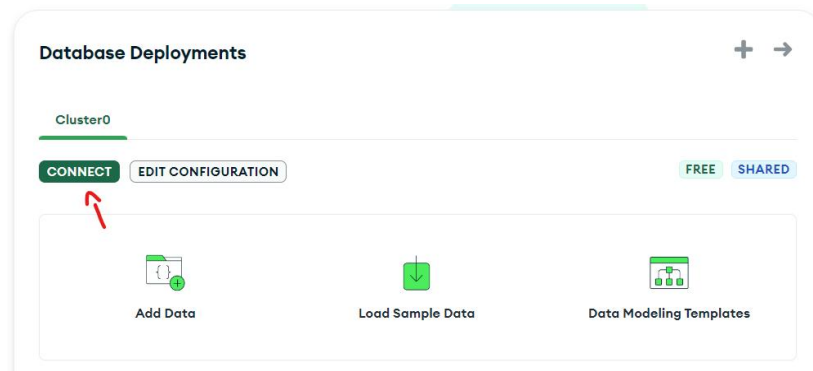
Only an IP address you add to your Access List will be able to connect to your project's clusters.

IP Address	Description	
<input type="text" value="0.0.0.0"/>	<input type="text" value="Enter description"/>	Add My Current IP Address
Add Entry		

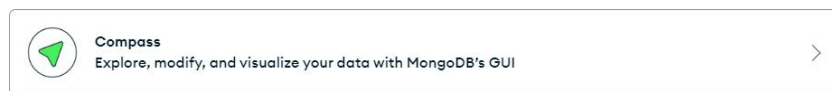
h. Now Click on Finish & Close

Finish and Close

i. Now Click on Connect



j. Now Select Compass Option



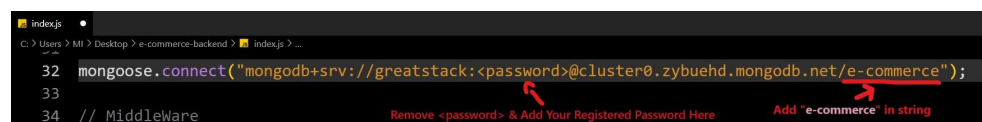
k. And Copy the Connection String

2. Copy the connection string, then open MongoDB Compass

mongodb+srv://greatstack:<password>@cluster0.zybuehd.mongodb.net/

Replace <password> with the password for the greatstack user.
When entering your password, make sure that any special characters are URL encoded.

1. And Paste It in index.js replace <password> with password you set previously in 4.F & save changes

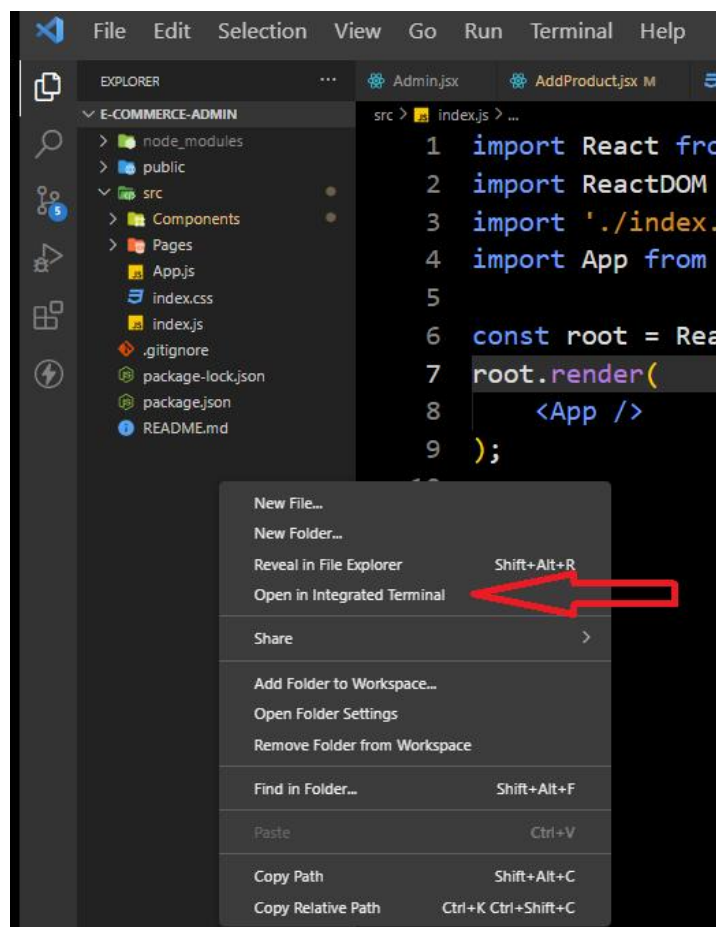


5. To Run Project use node .\index.js in Integrated Terminal

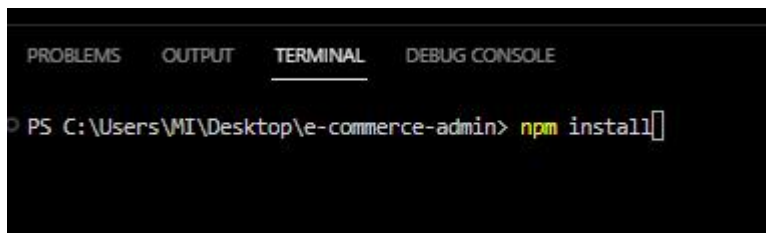
```
Node.js v20.7.0
PS C:\Users\MI\Desktop\e-commerce-backend> node .\index.js
Server Running on port 4000
```

❖ Steps To Run Frontend & Admin Panel Of The Project

1. Open Project Folder In VS Code
2. Open Integrated Terminal
 - Right Click on Sidebar > Select "Open In Integrated Terminal"

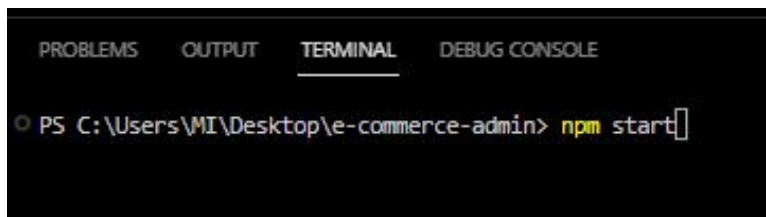


3. Type "npm install" and press Enter and Wait for Installation to be completed (requires Internet)



```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\Users\MI\Desktop\e-commerce-admin> npm install
```

4. After Installation You will See 'node_modules' Folder in the Sidebar
5. After that type "npm start" in terminal



```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\Users\MI\Desktop\e-commerce-admin> npm start
```

6. Now Your Project Will Start In Your Default Web Browser.

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