

# How to Setup & Run this Project

How to Run Video Tutorial - [click here](#)

OR

## ❖ Install NodeJs ( Ignore If Already Installed)

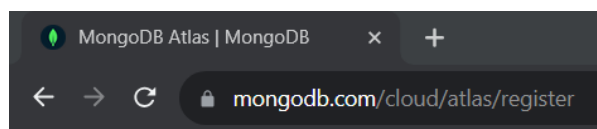
1. Visit the official Node.js website i.e)  
<https://nodejs.org/en/download/>
2. Download the Node.js installer
3. Run the installer.
4. Follow the prompts in the installer.

## —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](#)



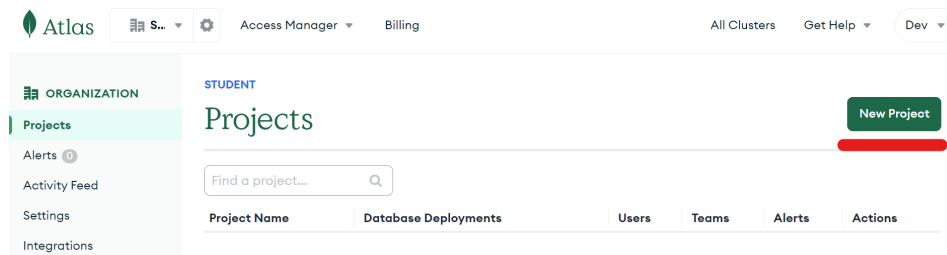
- b. After that Sign Up on the website.

# Sign up

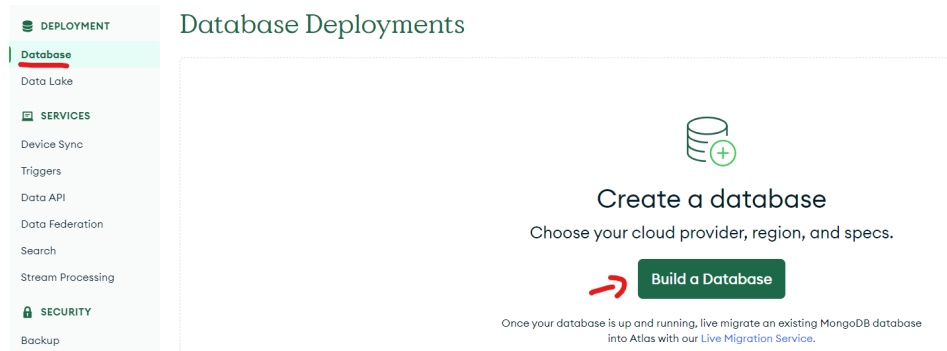
See what Atlas is capable of for free

 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	RAM	vCPU
10 GB	2 GB	2 vCPUs

**SERVERLESS** **\$0.10/1M reads**  
 For application development and testing, or workloads with variable traffic.  

STORAGE	RAM	vCPU
Up to 1TB	Auto-scale	Auto-scale

**M0** **FREE**  
 For learning and exploring MongoDB in a cloud environment.  

STORAGE	RAM	vCPU
512 MB	Shared	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.

[I'll 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

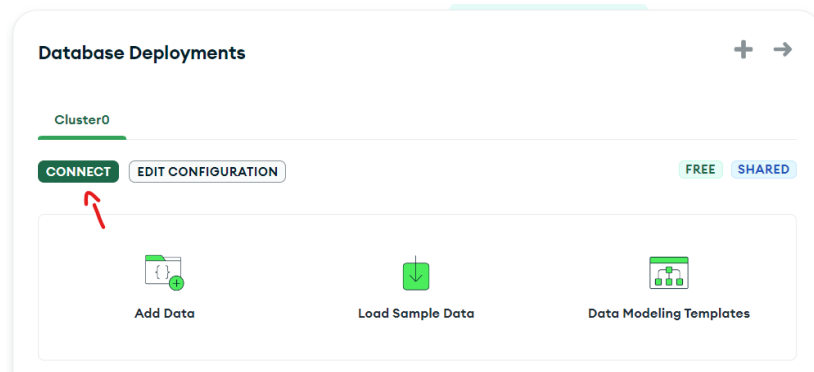
Only an IP address you add to your Access List will be able to connect to your project's clusters.

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

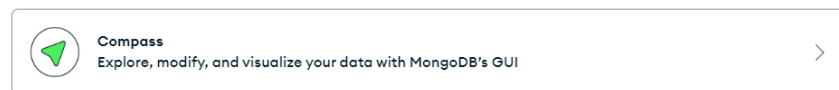
h. Now Click on Finish & Close

Finish and Close

i. Now Click on Connect



j. Now Select Compass Option



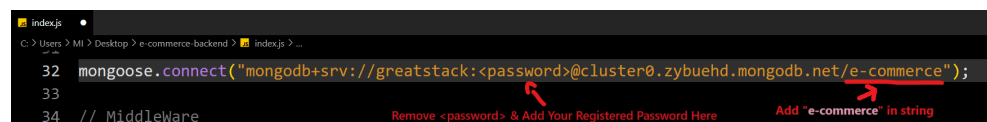
k. And Copy the Connection String

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

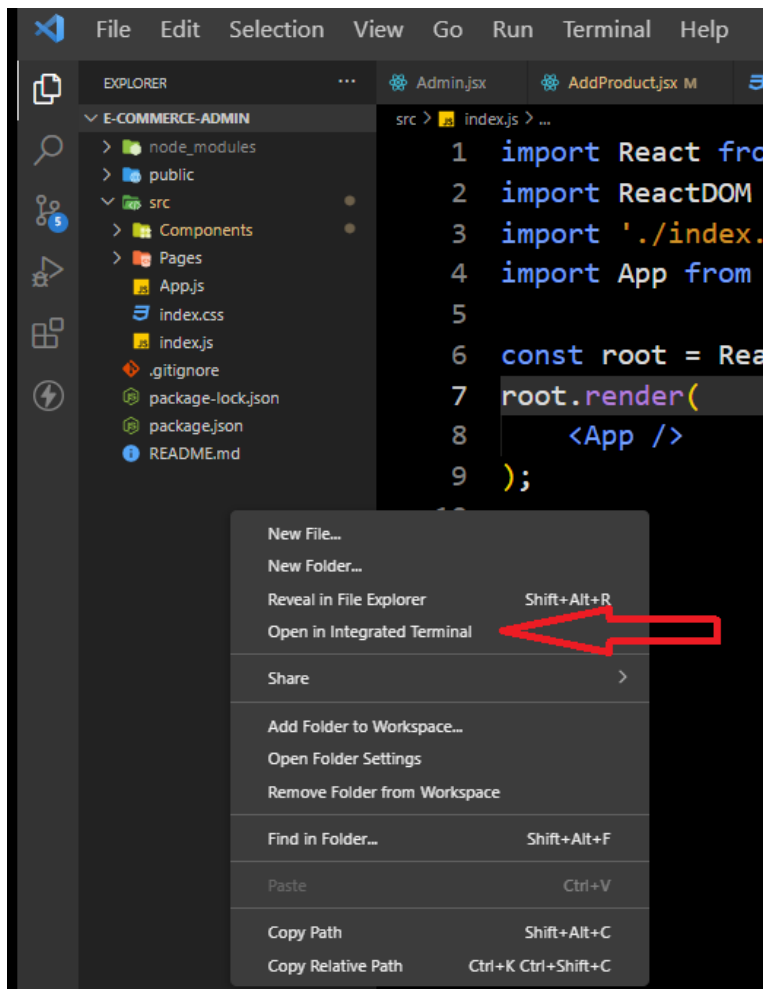


5. To Run Project use node .\index.js in Integrated Terminal

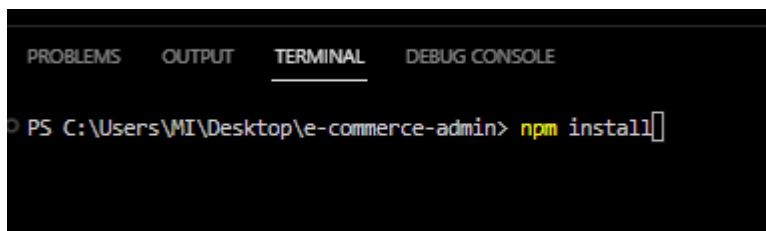
```
Node.js v20.7.0
PS C:\Users\MI\Desktop\e-commerce-backend> node .\index.js
Server Running on port 4000
```

#### ❖ Steps To Run Frontend & Admin Panel Of The Project

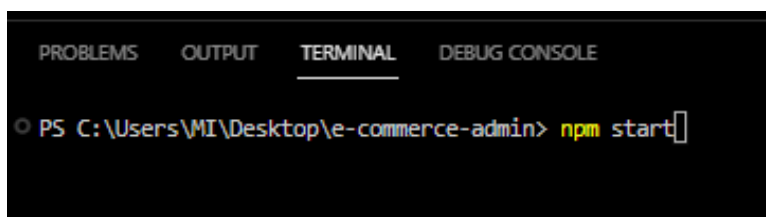
1. Open Project Folder In VS Code
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3. Type "npm install" and press Enter and Wait for Installation to be completed (requires Internet)



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



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