

MongoDB Atlas Setup Walkthrough

Step 1 :

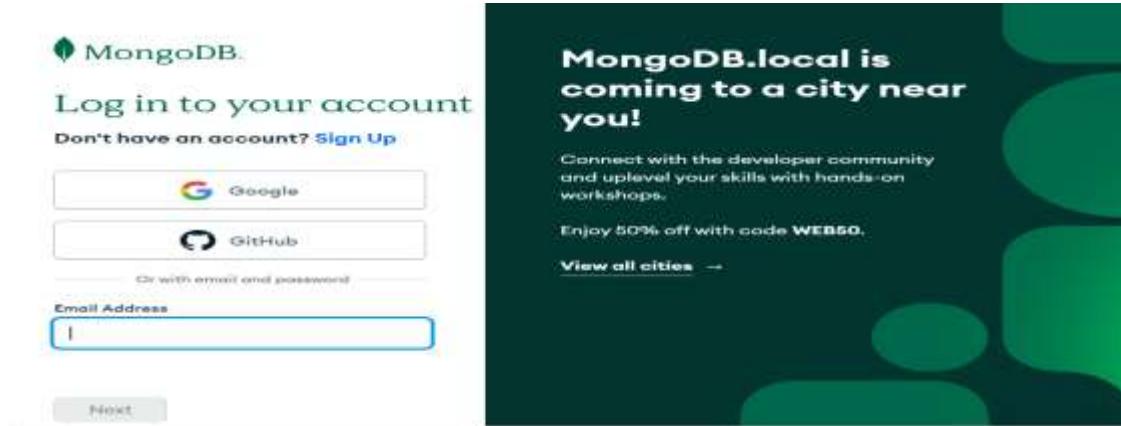
Go to "<https://www.mongodb.com/> "site.

Please click on (:) and the drop down will give options for Sign In. Please click on the same. It will take you to the screen below.



Step 2:

Please click on "Sign Up".

Two screenshots side-by-side. The left screenshot shows the MongoDB login page with the 'Sign Up' link underlined in blue. The right screenshot shows a promotional banner for MongoDB.local events, featuring text about connecting with the developer community and enjoying 50% off with code WEB50.



Step 3:

Fill in the details and click on the checkbox. Click the “Sign Up” button. A verification email would have been sent to the given mail.

Or with email and password

Email Address
We recommend using your work email

First Name

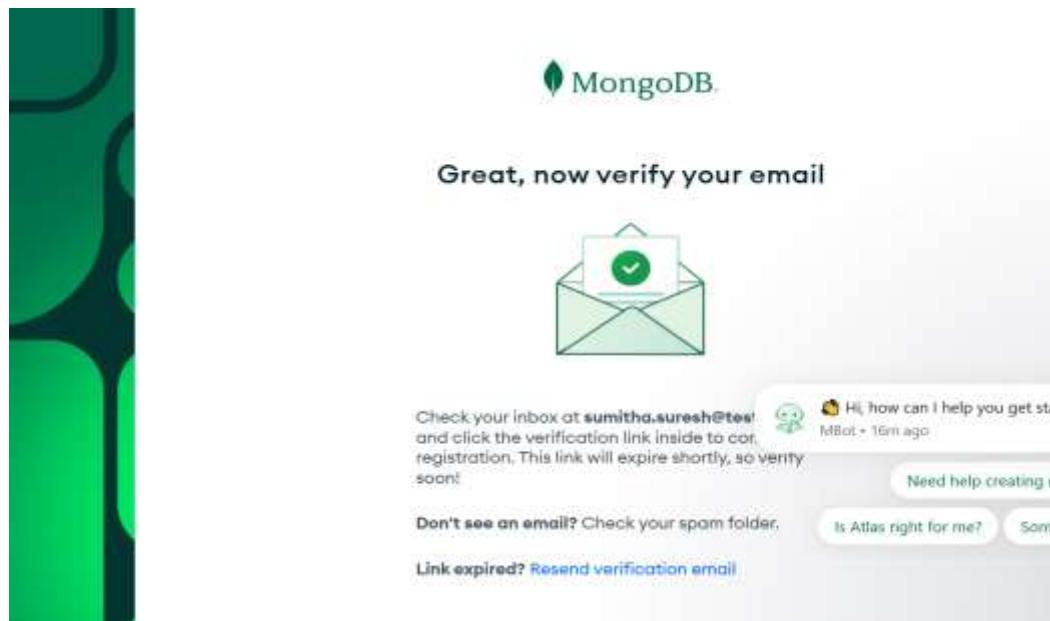
Last Name

Password

Must be at least 8 characters
Does not contain your email address

Company Name Optional

I accept the [Privacy Policy](#) and the [Terms of Service](#)



Go to your mail inbox, open the verification e-mail from MongoDB and click on “verify email”. You will be getting a message like the below. Please click ‘continue’.



Email successfully verified!



[Continue](#)

Step 4:

Login with your registered email id and password.

 MongoDB.

The email address has already been verified, you can login now.

Log in to your account

[Don't have an account? Sign Up](#)

You have successfully logged out.

 Google

 GitHub

Or with email and password

Email Address

MongoDB.local is coming to a city near you!

Connect with the developer community and uplevel your skills with hands-on workshops.

Enjoy 50% off with code **WEB50**.

[View all cities →](#)





Step 5:

It will take you to Multi-factor Authentication setup. You can either click continue.

The screenshot shows the MongoDB Multi-factor Authentication setup page. At the top, it says "Multi-factor Authentication setup is now complete". Below that, a message states: "Your MFA method has now been enabled. You can always add or remove more methods under your Account Application [Security page](#)". A section titled "Multi-factor authentication (MFA) methods" lists four options: "Security Key/Biometric" (RECOMMENDED), "Okta Verify Mobile App" (RECOMMENDED), "Authenticator App" (RECOMMENDED), and "Email" (with a checked checkbox). Below this, a note explains why MFA is important: "Why is this important for me? MFA will enhance your account's security by requiring you to identify yourself by more than your email and password. Learn how this protects your account". A "Continue" button is at the bottom left.

Step 6 :

Enter the verification code send to your email. If the code is correct it will take you to "Getting to Know you" window.

The screenshot shows the MongoDB Verify Your Identity page. It starts with an "Authentication Method" section where "Email" is selected. Below it, a message says: "A verification code has been sent to: +91-9876543210 Enter the code to continue and be redirected." A "Resend Code (23s)" button is available. To the right, there is a 6-digit input field with the first digit filled in green. A checkbox below says "Don't ask again on this device for 14 days." At the bottom, links for "Lost your MFA method? Contact us" and "MFA is mandatory on Atlas. Need more help? View documentation" are provided.



Always Ahead

Step 7 :

Please enter the details as given in “Getting to know your project”. “Getting to know you” can be filled with any data as select from dropdowns. Click “Finish” or you can even “Skip Personalization” without entering details.

Atlas

Welcome to Atlas. Let's build something great.

Help us tailor your experience by taking a minute to answer the questions below.

GETTING TO KNOW YOU

What is your primary goal?

Build a project I have in mind

How long have you been developing software with MongoDB?

I've never developed software with MongoDB before

GETTING TO KNOW YOUR PROJECT

What programming language are you primarily building on MongoDB with?

JavaScript / Node.js

What type(s) of data will your project use?

You can choose as many as you want:

Vector em... X

Will your application include any of the following architectural models?

You can choose as many as you want:

AI/ML Eng... X

Skip personalization **Finish**

Step 8 :

Under Configurations -> Name, you can give any name. (Eg: here it is “India”).

Deploy your cluster

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

M10 **\$0.08/hour**

Designed cluster for development environments and low-traffic applications.

10GB 2 vCPUs 2 vCPUs

Flex **From \$0.01/hour**

For development environments, with very dynamic storage capacity for unpredictable traffic.

10GB 2 vCPUs 2 vCPUs

Free

For testing and replicating MongoDB in small environments.

10GB 2 vCPUs 2 vCPUs

India Select this cluster to reuse for deployments in additional locations. This does not affect its performance or usage constraints.

Configurations

Name: India

Provider: AWS

Region: Mumbai (ap-south-1)

Storage: Recommended

Web (Optional): Create your first blog to communicate with external users.

Quick setup

Automate security review

Provision example instances

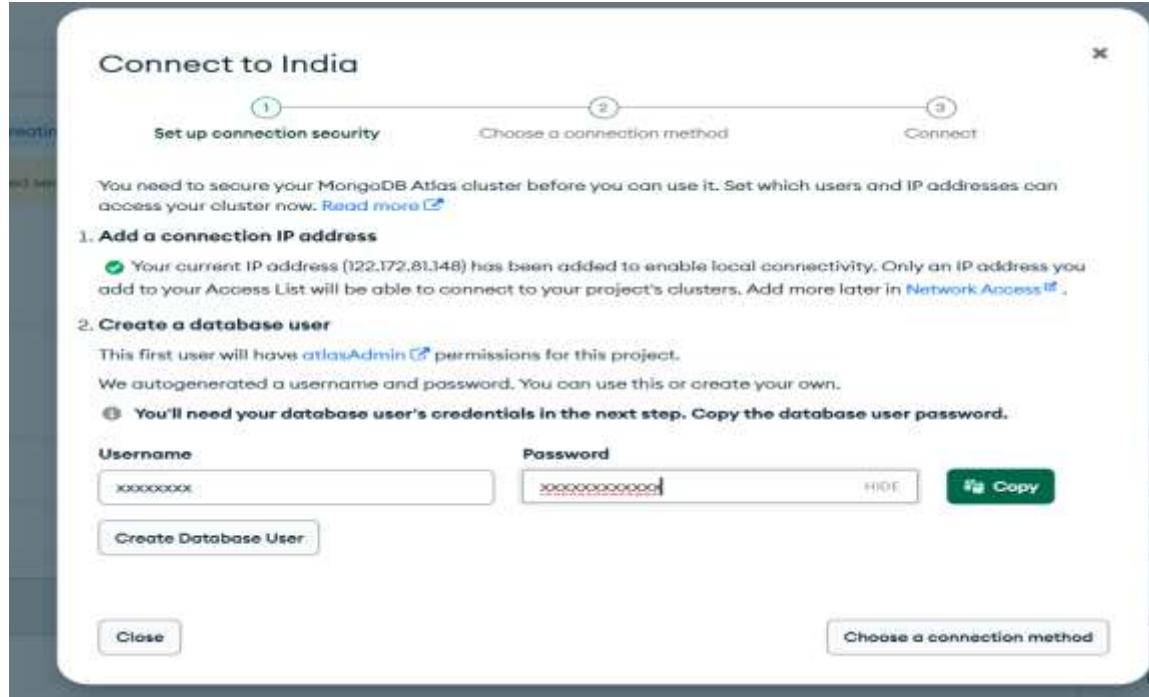
Create Deployment



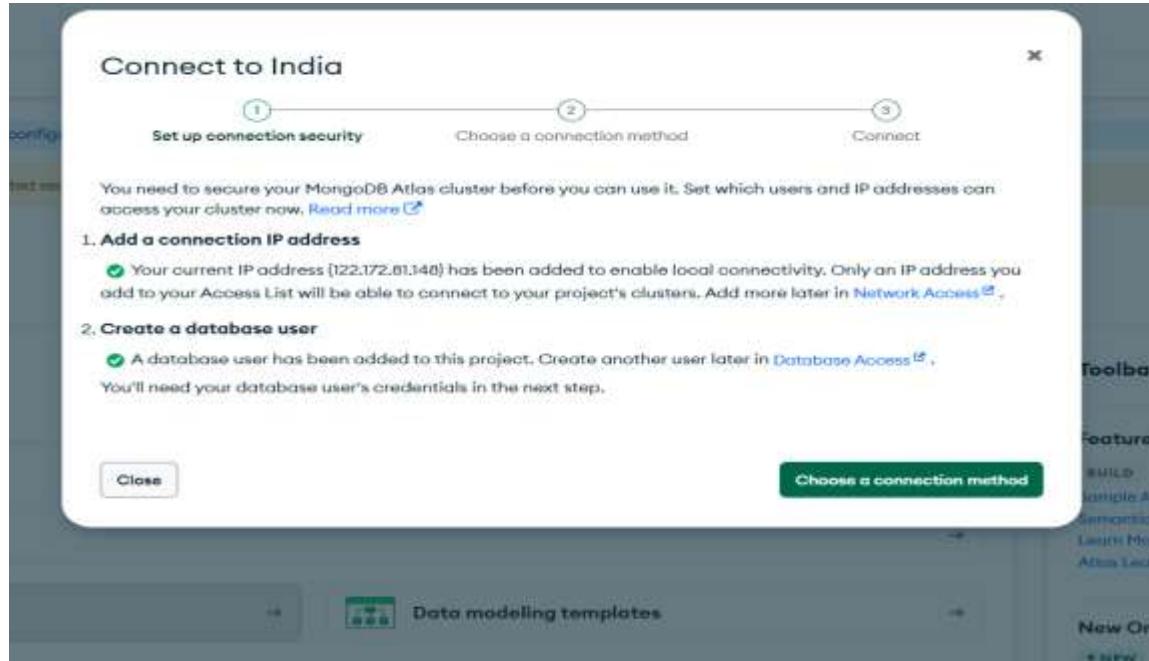
Always Ahead

Step 9:

Please pass a valid Username and Password. Click on “Create Database User”. It will take you to next screen.



Click on “Choose a connection method”.



Step 10:

Click on “Drivers” from the given options.



Connect to India

Set up connection security

Choose a connection method

Connect

Connect to your application



Drivers
Access your Atlas data using MongoDB's native drivers (e.g. Node.js, Go, etc.)

>

Access your data through tools



Compass
Explore, modify, and visualize your data with MongoDB's GUI

>



Shell
Quickly add & update data using MongoDB's Javascript command-line interface

>



MongoDB for VS Code
Work with your data in MongoDB directly from your VS Code environment

>



Atlas SQL
Easily connect SQL tools to Atlas for data analysis and visualization

>

[Go Back](#)

[Close](#)

Copy the text given in the box, highlighted in black color and store it in the notepad. Once copied and pasted, please click "Done".

The screenshot shows the 'Connecting with MongoDB Driver' step in the Testleaf connection flow. It consists of three main sections: 1. Select your driver and version, 2. Install your driver, and 3. Add your connection string into your application code.

1. Select your driver and version: We recommend installing and using the latest driver version. The driver selected is Node.js and the version is 6.7 or later.

2. Install your driver: Run the following on the command line: `npm install mongodb`. View MongoDB Node.js Driver installation instructions.

3. Add your connection string into your application code: Use this connection string in your application. The connection string is: `mongodb+srv://[REDACTED]@cluster0.1.mongodb.net/?retryWrites=true&ssl=true&appName=India`. The password for [REDACTED] is included in the connection string for your first time setup. This password will not be available again after exiting this connect flow.

RESOURCES: Get started with the Node.js Driver, Access your Database Users, Node.js Starter Sample App, Troubleshoot Connections.

[Go Back](#) [Done](#)

It is the "Connection String". In the place of username and password, you will be able to see your credentials.



Always Ahead

```
Connection String :  
mongodb+srv://username:password@cluster-testleaf.mongodb.net/?retryWrites=true&w=majority&appName=cluster
```

Step 11:

For accessing the database from anywhere please click on Network Access from the left side menus.

Atlas Testleaf Access Manager Billing

Project 0 Data Services Charts

TESTLEAF > PROJECT 0

Network Access

IP Access List Peering Private Endpoint

Current IP Address not added. You will not be able to connect to databases from this address. Add Current IP

You will only be able to connect to your cluster from the following list of IP Addresses:

| IP Address | Comment | Status | Action |
|-------------------|---|--------|--------|
| 122.172.81.148/32 | Created as part of the Auto Setup process | Active | Edit |

System Status: All Good

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Click on ADD IP ADDRESS. From that click "Allow Access from Anywhere". Click confirm.

Add IP Access List Entry

Atlas only allows client connections to a cluster from entries in the project's IP Access List. Each entry should either be a single IP address or a CIDR-notated range of addresses. [Learn more](#)

ADD CURRENT IP ADDRESS ALLOW ACCESS FROM ANYWHERE

Access List Entry: 0.0.0.0/0

Comment: Optional comment describing this entry

This entry is temporary and will be deleted in: 6 hours

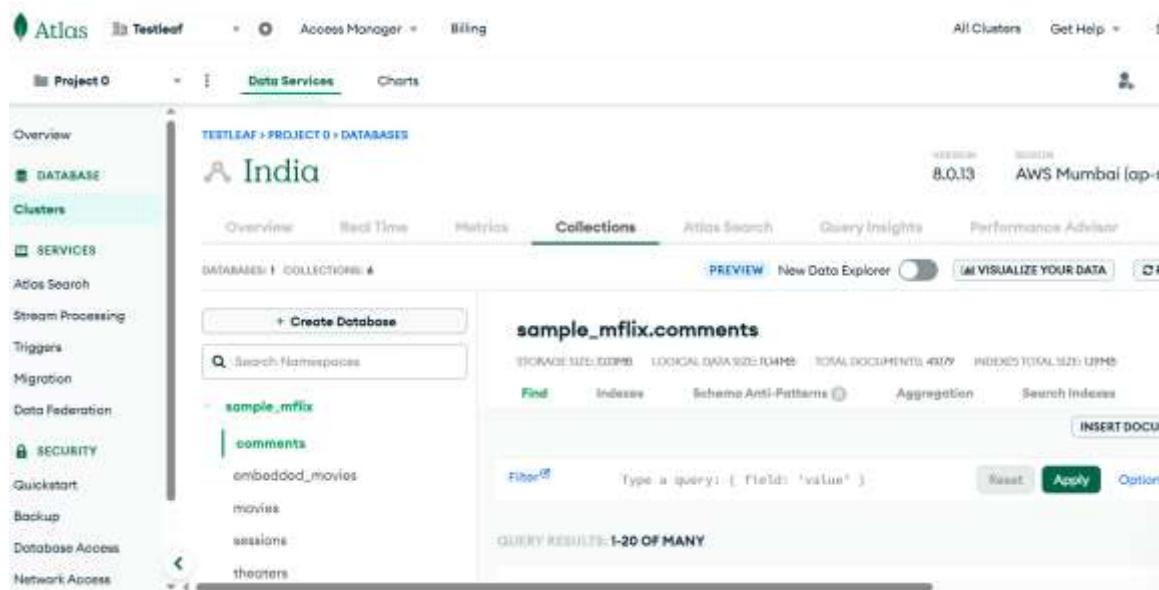
Cancel Confirm

CREATING DATABASE AND COLLECTIONS.

Step 12:

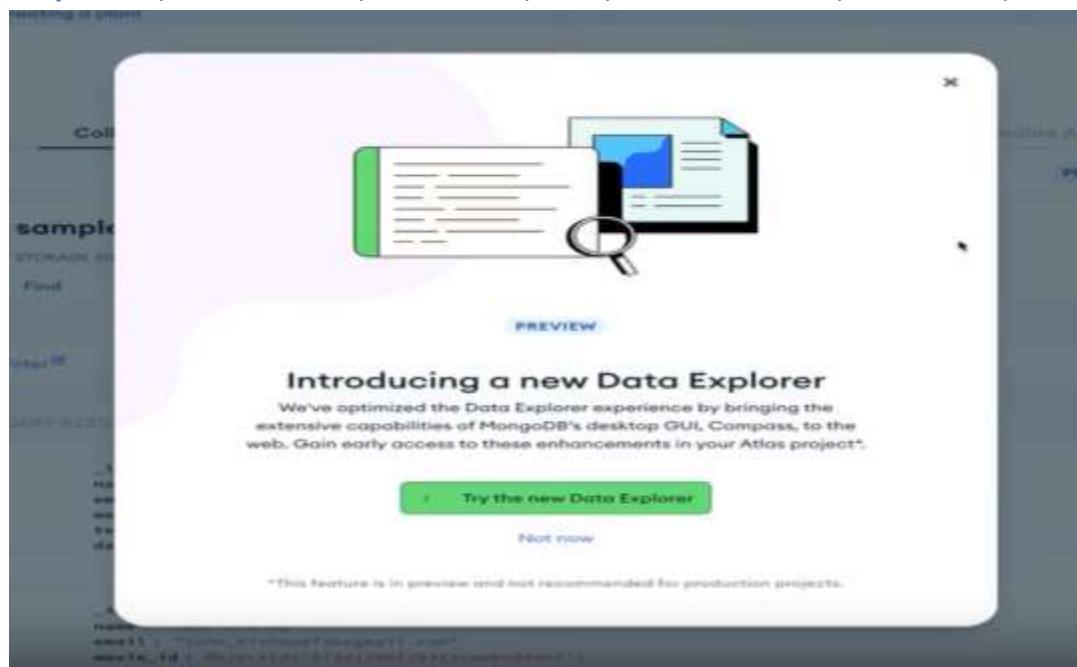
Create database for creating search index. Click on Atlas Search from left-side Navigation bar.

From there go to “Collections” tab. You will see a lot default databases.



The screenshot shows the MongoDB Atlas interface for a project named 'Project 0'. The left sidebar includes sections for Overview, DATABASE, Clusters, SERVICES (Atlas Search, Stream Processing, Triggers, Migration, Data Federation), SECURITY (Quickstart, Backup, Database Access, Network Access), and Testleaf. The main area displays the 'India' database under 'TESTLEAF > PROJECT 0 > DATABASES'. The 'Collections' tab is selected, showing the 'sample_mflix.comments' collection. The collection details include storage size (100MB), logical data size (1.4MB), total documents (4007), and index size (0.215 MB). Below this, there are tabs for Find, Indexes, Schema Anti-Patterns, Aggregation, and Search Indexes, along with an 'INSERT DOCUMENT' button. A search bar at the bottom allows querying with a placeholder like 'Type a query: { field: "value" }'. The status bar at the bottom right indicates 'PREVIEW' and 'New Data Explorer'.

Step 13: If you wanted to try new Data Explorer you can click on “Try new Data Explorer”.



A pop-up window titled 'Introducing a new Data Explorer' is displayed. It features a large icon of a document with a magnifying glass over it. The text inside the window reads: 'We've optimized the Data Explorer experience by bringing the extensive capabilities of MongoDB's desktop GUI, Compass, to the web. Gain early access to these enhancements in your Atlas project.' At the bottom, there is a green button labeled 'Try the new Data Explorer' and a smaller link 'Not now'.



It is optional. New data explorer will give you a better UI Experience.

Step 14:

You will be getting default cluster. Whatever you see inside your cluster is all default databases.

For creating new database click on the “+” (marked in Red).

The screenshot shows the MongoDB Atlas Data Explorer interface. On the left, there's a sidebar with various project management and service links like Project O, Overview, DATABASE, Clusters, Data Explorer (which is selected and highlighted in green), SERVICES, SECURITY, and Database Access. The main area is titled 'Data Explorer PREVIEW' and shows the 'CLUSTERS (0)' section. Under the 'Indie' cluster, it lists three databases: 'admin', 'local', and 'sample_mflix'. To the right of the cluster name, there's a red circle around the '+' sign, which is used for creating new databases. Below the cluster list, there are buttons for 'Visualize your data' and 'Create database'. At the bottom of the interface, there's a footer with system status information and links to MongoDB documentation.

Step 15:

Type in your database name and collections name. Click on “Create Database”.

The screenshot shows a 'Create Database' dialog box. It contains fields for 'Database Name' (with 'db_testcases' entered) and 'Collection Name' (with 'test_cases' entered). There is also a checkbox labeled 'Time-Series' with a explanatory text below it: 'Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)'. At the bottom of the dialog are two buttons: 'Cancel' and a green 'Create Database' button.



On successful creation of database you will get like the below screen.

The screenshot shows the MongoDB Atlas Data Explorer interface. The left sidebar has 'Project 0' selected under 'DATABASE'. The 'Data Explorer' section is active. In the 'CLUSTERS' tree, 'India' is expanded, showing 'admin', 'db_testcases', 'local', and 'sample_gridfs'. 'db_testcases' is selected. The main panel shows the 'test_cases' collection under 'Documents'. The search bar contains 'India > db_testcases > test_cases'. Below the search bar are buttons for 'Generate query', 'Explain', 'Reset', and 'Find'. The results table shows 0 documents found. At the bottom, there are buttons for 'New Document' and 'New Query'.