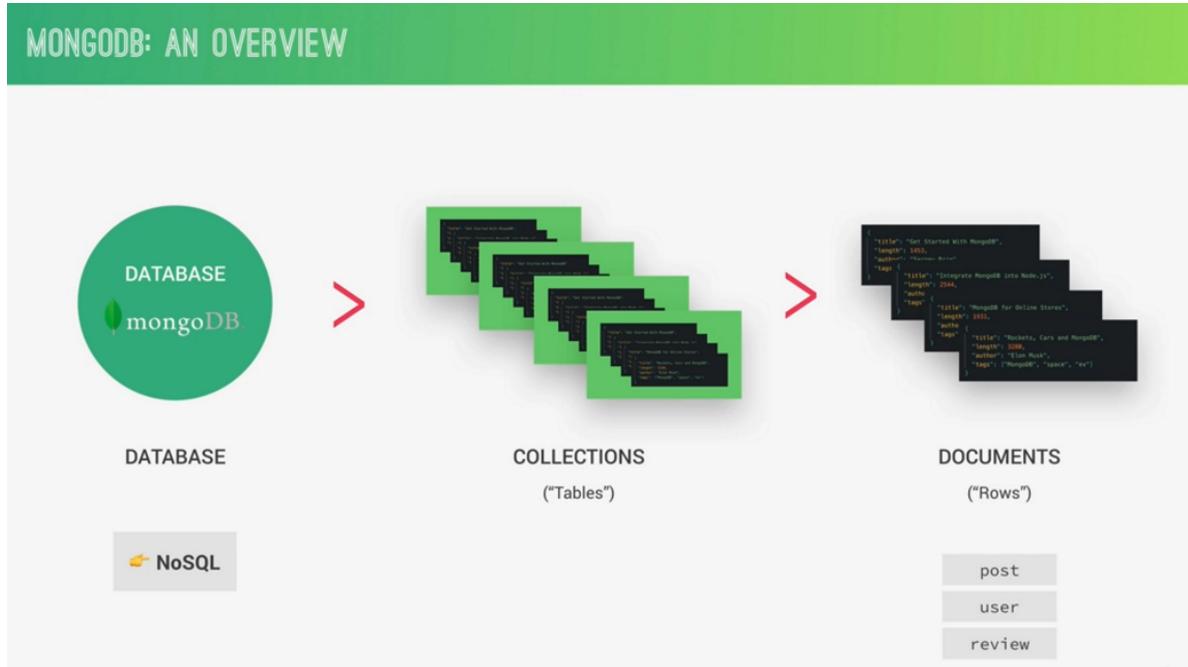
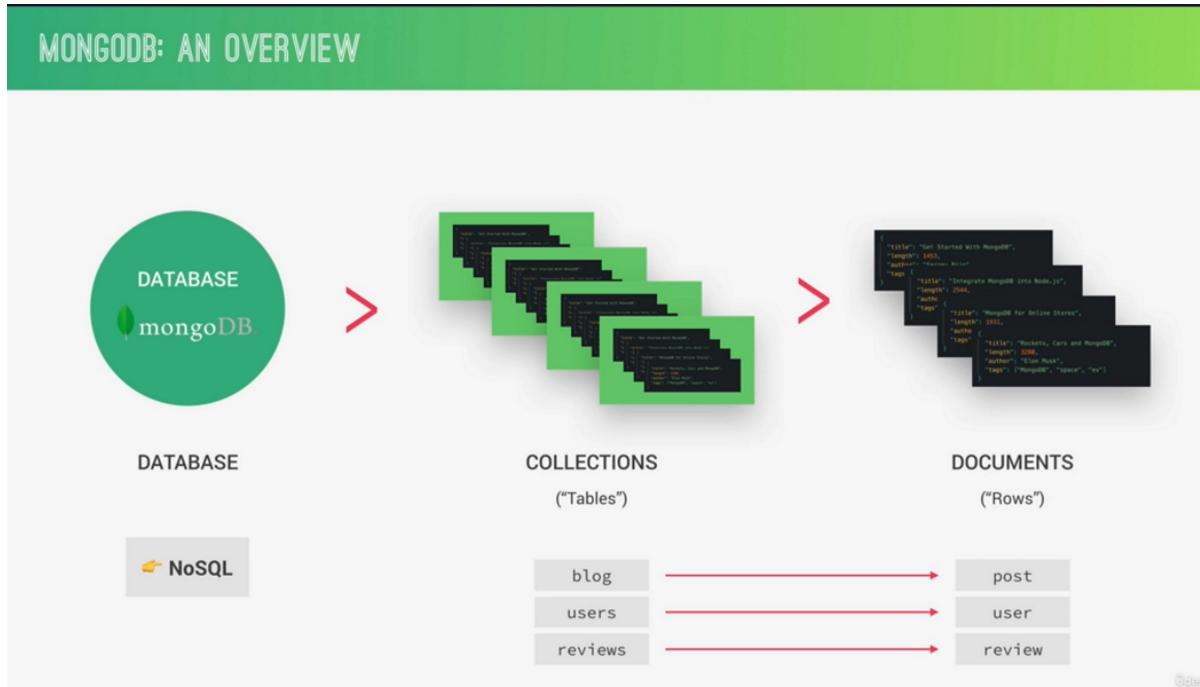


Section 7: Introduction to MongoDB

24 May 2025 21:39



MONGODB: AN OVERVIEW



Just like in previous sections, before diving into a new technology, let's first understand what it's all about.

In this case, let's explore **MongoDB** — what it is, how it works, and how it compares to traditional databases.

What is MongoDB?

MongoDB is a **NoSQL** database — pronounced “no sequel” (although some say "N-O-S-Q-L"). It’s often compared to **relational databases**, which are more traditional.

In MongoDB:

- A **database** contains one or more **collections** (think of collections like tables in relational databases).
- Each **collection** contains **documents**, which are similar to rows in a table.
- Each **document** holds data about a single entity — like one blog post, one user, or one review.

Example:

- posts collection → contains blog post documents
- users collection → contains user documents
- reviews collection → contains review documents

Documents are structured in a format similar to **JSON**, which makes working with them super intuitive for JavaScript developers.

We'll dive deeper into this soon, but for now, let's look at some of MongoDB's key features.

WHAT IS MONGODB?

MONGODB

"MongoDB is a document database with the scalability and flexibility that you want with the querying and indexing that you need"

KEY MONGODB FEATURES:



- 👉 **Document based:** MongoDB stores data in documents (field-value pair data structures, NoSQL);
- 👉 **Scalable:** Very easy to distribute data across multiple machines as your users and amount of data grows;
- 👉 **Flexible:** No document data schema required, so each document can have different number and type of fields;
- 👉 **Performant:** Embedded data models, indexing, sharding, flexible documents, native duplication, etc.
- 👉 **Free and open-source,** published under the SSPL License.

DOCUMENTS, BSON AND EMBEDDING

DOCUMENT STRUCTURE

👉 **BSON:** Data format MongoDB uses for data storage. Like JSON, **but typed**. So MongoDB documents are typed.

```
Unique ID: _id: ObjectId('9375209372634926'),  
Fields: title: "Rockets, Cars and MongoDB",  
author: "Elon Musk",  
length: 3280,  
published: true,  
tags: ["MongoDB", "space", "ev"],  
comments: [  
    { "author": "Jonas", "text": "Interesting stuff!" },  
    { "author": "Bill", "text": "How do you do it?" },  
    { "author": "Jeff", "text": "My rockets are better" }  
]
```

Embedded documents

RELATIONAL DATABASE

Column

	id	title	author	length	published	tags	comments
1	Rockets...	Elon Musk	3280	TRUE	-	-	-

"JOIN tables"
Reference by comments_id

id	autor	text
1	Jonas	Interesting stuff!
2	Bill	How do you do it?
3	Jeff	My rockets are better

- 👉 **Embedding/Denormalizing:** Including related data into a single document. This allows for quicker access and easier data models (it's not always the best solution though).

👉 Data is always normalized

🧠 TL;DR – What is MongoDB?
MongoDB is a **NoSQL** database that:

- Stores data in **documents**, not tables
- Uses a format called **BSON** (like JSON but with data types)
- Is **flexible, scalable, and super developer-friendly**

Now let's dig into what the instructor is really saying 

1. Document-Based, Not Table-Based

Traditional Relational DB (e.g., MySQL):

- Data = Rows + Columns (like Excel)
- Super strict = Must define schema (structure) first

MongoDB:

- Data = **Documents** (aka JSON-like objects)
- Example of a blog post in MongoDB:

```
{
  "_id": "123abc",
  "title": "MongoDB is dope",
  "tags": ["mongodb", "nosql", "devlife"],
  "comments": [
    { "author": "Khalid", "text": "Fire post 🔥" },
    { "author": "Ayesha", "text": "So useful!" }
  ]
}
```

- Super **flexible** = No need to define a strict schema
- You can just YOLO your data in and change structure later

2. NoSQL vs SQL

- **SQL** (MySQL, Postgres) = Structured, table-based
- **NoSQL** (MongoDB) = Schema-less, document-based

MongoDB pros:

- Can have arrays, objects inside a document
- Each doc can have different fields
- Easier to work with dynamic or changing data
- Better fit for modern web apps like blogs, chats, eCommerce, etc.

3. Scalability & Performance

MongoDB is built to **scale** and handle a ton of data 

Features mentioned:

- **Indexing** = Faster search
- **Sharding** = Splits big data across servers
- **Embedded Docs** = Include related data inside a single document
- **Replication** = Copies of data for backup/high availability

You don't need to master all of this rn — just know it's powerful AF.

4. What is BSON?

BSON = Binary JSON

- Basically JSON with types
- MongoDB uses BSON internally to store documents
- So while it *looks* like JSON, it supports:
 - ObjectId
 - Date
 - Double
 - Boolean
 - etc.

👉 5. Embedded Documents (Super Important)

Embedding = Putting related data inside a document

Example:

```
json
CopyEdit
{
  "title": "Blog post",
  "comments": [
    { "author": "Ali", "text": "First!" },
    { "author": "Sara", "text": "Nice!" }
  ]
}
```

This is **faster** because you get all the info in **one query** 🔥

Relational DB version?

You'd need:

- A separate posts table
- A separate comments table
- And then join them using foreign keys

MongoDB skips all that — cleaner and quicker.

🧠 Concepts You Need to Know (From This Video)

Concept	Description
Document	Like a JSON object, stores one record
Collection	Like a table, holds many documents
BSON	Typed version of JSON
Embedded documents	Docs inside docs — like nesting comments in posts
NoSQL	Flexible schema, unlike strict SQL tables
Scalability	Easy to grow with your app
De-normalization	Embedding related data
Normalization	Splitting data into separate tables/collections

🔒 Bonus Facts:

- Each MongoDB document has a unique `_id` field (like a primary key)
- Max doc size = **16MB** (plenty for 99% of cases)
- MongoDB is **open-source**, free, and very popular with the **MERN** stack

⌚ Why is this relevant to you?

Because you're building full-stack MERN apps! And MongoDB is literally the "M" in MERN 😎

So understanding this helps you:

- Design better backends
- Model data efficiently
- Avoid slow queries and bugs



Now instead of terminal to work with MongoDB, we can also use an app with a graphical user interface that MongoDB provides us which is called Compass.

The screenshot shows the MongoDB Download Center page. At the top, there are navigation links for Chrome, File, Edit, View, History, Bookmarks, People, Window, Help, and a sign-in link for jonas.io. Below the header, there are sections for Products, Solutions, Customers, Resources, Learn, What is MongoDB?, Contact, Search, and a green 'Try Free' button.

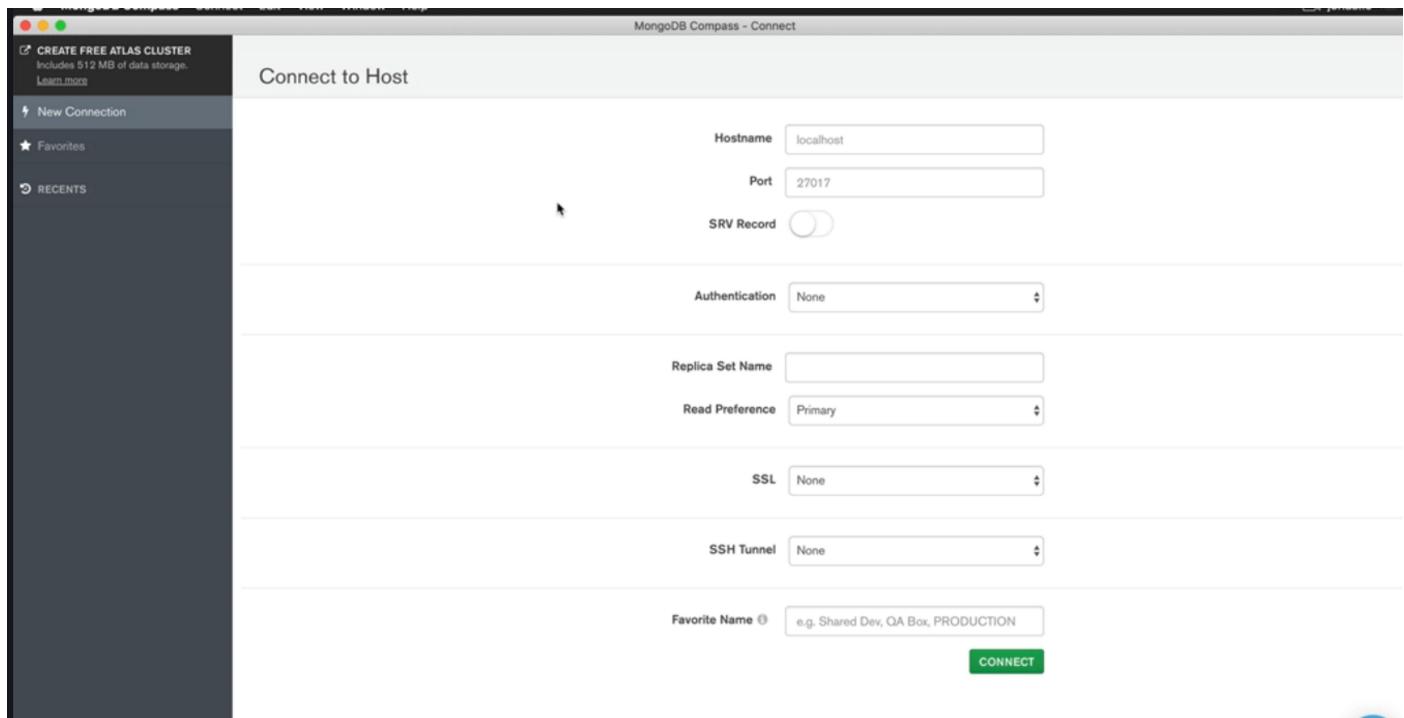
The main content area is divided into four columns:

- CLOUD**: MongoDB Atlas (Fully managed cloud database)
- SOFTWARE**: MongoDB Server (Database software), MongoDB Mobile (Mobile embedded version of MongoDB), MongoDB Compass (GUI for MongoDB) (highlighted with a red box and arrow), and Ops Manager (Management platform for MongoDB).
- ANALYTICS**: MongoDB Charts (Native visualization for MongoDB data)
- SERVICES**: Consulting (Help from the experts), Training (Knowledge for your team), and Customer Success (Guidance for our customers).

Below the columns, there is a note about MongoDB Compass being available as part of subscriptions, followed by a note about MongoDB Compass documentation. At the bottom, there are dropdown menus for Version (1.17.0 (Stable)) and Platforms (OS X 64-bit (10.10+)), and a 'Documentation' link.

Download 'Compass'

When you open up your 'Comapass' application, it should look like this



Click Connect

All the database that are locally available.

MongoDB Compass - localhost:27017

My Cluster

Databases

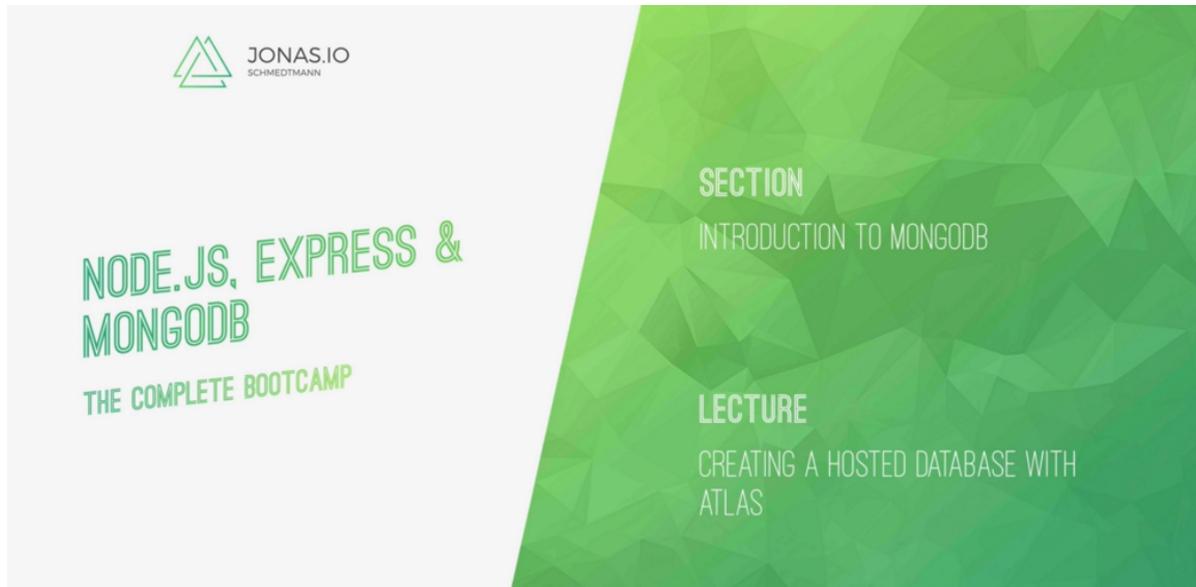
CREATE DATABASE

localhost:27017 STANDALONE

Performance

MongoDB 4.0.9 Community

Database Name	Storage Size	Collections	Indexes
admin	16.0KB	0	1
config	36.0KB	0	2
local	32.0KB	1	1
natours-test	36.0KB	1	1



Let's now create a remote database hosted on MongoDB Atlas.

So for developing our project we will actually not use a local database on our computer, like we have been doing in the section until this point.

So, instead we're gonna use a remote database hosted on a service called Atlas. Which is actually owned by the same company that involves MongoDB.

The screenshot shows the MongoDB Download Center page. At the top, there's a navigation bar with links for Chrome, File, Edit, View, History, Bookmarks, People, Window, Help, and a sign-in option. Below the navigation is a header with the MongoDB logo and links for Products, Solutions, Customers, Resources, Learn, What is MongoDB?, Contact, Search, Sign In, and Try Free. The main content area is divided into four sections: CLOUD, SOFTWARE, ANALYTICS, and SERVICES. The CLOUD section contains a box for MongoDB Atlas, which is highlighted with a red arrow. The SOFTWARE section includes MongoDB Server, MongoDB Mobile, MongoDB Compass, and Ops Manager. The ANALYTICS section has MongoDB Charts and MongoDB Connector for BI. The SERVICES section includes Consulting, Training, and Customer Success. Below these sections is a note about MongoDB Compass and its availability in different versions. At the bottom, there are dropdown menus for Version (1.17.0 Stable) and Platform (OS X 64-bit (10.10+)), a Documentation link, and a prominent green Download button.

🔥 What is Atlas?

MongoDB Atlas is like a **database on the cloud**, and it's offered as a service. That's why it's called: **Database as a Service (DBaaS)**

So instead of you worrying about installing MongoDB on your laptop, setting up servers, backing up data, scaling, securing it, blah blah—**Atlas does all that heavy lifting for you.** 🤙

💡 Why is that a big deal?

Because:

No Setup Drama

You don't need to install or manage a local MongoDB. Atlas handles all the techy backend stuff for you, so you can focus on building your app.

It's Always in the Cloud ☁

Since your database lives in the cloud, you can:

- Access it **from anywhere** (home, office, café, even on your phone if you're wild like that).
- Work with team members easily without sending around .sql or .bson files.
- **Skip the migration headache** when it's time to deploy your app — 'cause your database is already hosted and ready.

Start Smart, Stay Smart

You don't even need a local MongoDB anymore. Just start using Atlas from day 1 and you're future-proofing your dev workflow like a boss. 💯

🧠 TL;DR

MongoDB Atlas is like your chill cloud butler that manages your database for you, keeps it online, scalable, and secure. So you can just plug it into your app and go build dope stuff ✨

MongoDB Atlas

Move faster with an automated cloud MongoDB service built for agile teams who'd rather spend their time building apps than managing databases. Available on AWS, Azure, and GCP.

[Start Free](#)

Already have an account? [Log in here](#) →

Cloud Provider & Region
Choose your preferred cloud provider and the region nearest to clients.

AWS Azure

Configure a free tier cluster by first selecting a region labeled with [Free tier available](#), then choose the MO option in the Cluster Tier below.

recommended region (US)

Region	Tier
N. Virginia (us-east-1)	MO
O. West (us-west-1)	MO
N. California (us-west-1)	MO
O. Oregon (us-west-2)	MO
M. Montreal (ca-central-1)	MO
I. Ireland (eu-west-1)	MO
L. London (eu-west-2)	MO
F. Frankfurt (eu-central-1)	MO
S. Singapore (ap-southeast-1)	MO
M. Mumbai (ap-south-1)	MO
S. São Paulo (sa-east-1)	MO

Pricing Getting Started Migrate to MongoDB Atlas Frequently Asked Questions

Chrome File Edit View History Bookmarks People Window Help

Projects | Atlas: MongoDB Atlas

https://cloud.mongodb.com/v2#/org/5b18e39a0bd66b25697ecbb0/projects

Usage This Month:\$0.00 details Jonas

mongoDB,Atlas All Clusters

CONTEXT JONAS SCHMEDTMANN

Projects

Find an organization or project...

Jonas Schmedtmann natours natours-test New Project Billing Settings Docs Support

New Project

Clusters	Users	Teams	Alerts	Actions
1 Cluster	1 User	0 Teams	0 Alerts	...
0 Clusters	1 User	0 Teams	0 Alerts	...

Chrome File Edit View History Bookmarks People Window Help

Create Project | Atlas: MongoDB

https://cloud.mongodb.com/v2#/org/5b18e39a0bd66b25697ecbb0/projects/create

mongoDB,Atlas All Clusters

Usage This Month:\$0.00 details Jonas

CONTEXT JONAS SCHMEDTMANN > PROJECTS

Create a Project

ORGANIZATION Projects Activity Feed Access Alerts Billing Settings Docs Support

Name Your Project Add Members Next

Name Your Project

Project names have to be unique within the organization (and other restrictions).

natours-app

Cancel Next

mongoDB Atlas All Clusters

CONTEXT JONAS SCHMEDTMANN > PROJECTS Create a Project

ORGANIZATION Projects Activity Feed Access Alerts Billing Settings Docs Support

Name Your Project Add Members Go Back Create Project

Add Members and Set Permissions

Invite new or existing users via email address...

Give your members access permissions below.

hello@jonas.io (you) Project Owner

Cancel Go Back Create Project

Project Member Permissions

Project Owner Has full administration access

Project Data Access Admin Can access and modify a cluster's data and indexes, and kill operations

Project Data Access Read/Write Can access a cluster's data and indexes, and modify data

Project Data Access Read Only Can access a cluster's data and indexes

Project Read Only May only modify personal preferences

Usage This Month:\$0.00 details Jonas

mongoDB Atlas All Clusters

CONTEXT JONAS SCHMEDTMANN > NATOURS-APP Clusters

PROJECT Clusters Alerts Backup Access Settings Stitch Charts Docs Support

Overview Security Find a cluster...

Create a cluster

Choose your cloud provider, region, and specs.

Build a Cluster

Once your cluster is up and running, live migrate an existing MongoDB database into Atlas with our Live Migration Service.

Lisbon Usage This Month:\$0.00 details Jonas

Now we have to create a cluster. Cluster is basically like an instance of our database.

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**

Dedicated cluster for development environments and low-traffic applications.

STORAGE	RAM	vCPU
10 GB	2 GB	2 vCPUs

Flex **From \$0.01/hour**
Up to \$30/month

For application development and testing, with on-demand burst capacity for unpredictable traffic.

STORAGE	RAM	vCPU
5 GB	Shared	Shared

Free

For learning and exploring MongoDB in a cloud environment.

STORAGE	RAM	vCPU
512 MB	Shared	Shared

Free forever! Your free cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Configurations

Name: Cluster0
You cannot change the name once the cluster is created.

Provider: AWS Google Cloud Azure

Region: Mumbai (ap-south-1)

[I'll do this later](#) [Go to Advanced Configuration](#) **Create Deployment**

mongoDB.Atlas All Clusters Lisbon ▾ Usage This Month:\$0.00 [details](#) Jonas ▾

CONTEXT: natours-app JONAS SCHMEDTMANN > NATOURS-APP

Clusters [Build a New Cluster](#)

PROJECT Clusters Alerts (0) Backup Access Settings

Overview Security [Find a cluster...](#)

BANDBOX Cluster0 Version 4.0.8

[CONNECT](#) [METRICS](#) [COLLECTIONS](#) [...](#)

INSTANCE SIZE M0 Sandbox (General)

REGION AWS / N. Virginia (us-east-1)

TYPE Replica Set - 3 nodes

LINKED STITCH APP None Linked - [Link Application](#)

Operations R: 0 W: 0 100.0/s **Logical Size 0.0 B** 512.0 MB max

Last 6 Hours

Connections 0 100 max

Last 6 Hours

Enhance Your Experience
For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!

Upgrade



Let's now connect our remote hosted database with our Compass app and also with the Mongo shell.

mongoDB, Atlas All Clusters

JONAS SCHMEDTMANN > NATOURS-APP

Clusters

CONTEXT natours-app **PROJECT** Clusters

Overview Security

Find a cluster...

SANDBOX Cluster0 Version 4.0.8

CONNECT METRICS COLLECTIONS ...

INSTANCE SIZE M0 Sandbox (General)

REGION AWS / N. Virginia (us-east-1)

TYPE Replica Set - 3 nodes

LINKED STITCH APP None Linked - [Link Application](#)

Operations R: 0 W: 0 100.0/s Last 6 Hours

Logical Size 0.0 B 512.0 MB max 0.0 B Last 6 Hours

Connections 0 100 max Last 6 Hours

Enhance Your Experience
For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!
[Upgrade](#)

https://cloud.mongodb.com/v2/5cb9b818a6f23958bb2aa881#clusters/connect?clusterId=Cluster0

MongoDB. Atlas All Clusters

We are deploying your changes (current)

JONAS SCHMIDTMANN > NATOURS-APP

Clusters

- Overview
- Security

Find a cluster...

SANDBOX

Cluster0 Version 4.0.8

CONNECT METRICS COLLECTIONS

INSTANCE SIZE M0 Sandbox (General)

REGION AWS N. Virginia (us-east-1)

TYPE Replica Set - 3 nodes

LINKED STITCH APP None Linked

System Status: All Good Last Logon: 5/5/2024

Close Choose a connection method

Connect to Cluster0

Setup connection security Choose a connection method Connect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

You can't connect yet. Set up your user security permission below.

1 Whitelist your connection IP address

An IP address has been whitelisted. Add another whitelist entry in the [IP Whitelist tab](#).

2 Create a MongoDB User

This first user will have [atlasAdmin](#) permissions for all clusters in this project. Keep your credentials handy, you'll need them for the next step.

Username: jonas Password: On0adDgBCE5ECWh6 Autogenerate Secure Password Hide

Create MongoDB User

Close Choose a connection method

Enhance Your Experience Dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now! Upgrade

File Edit Selection View Go Debug Terminal Window Help config.env — 4-natours

```

EDITOR 1 UNSAVED
server.js 1 NODE_ENV=development
config.env 2 PORT=3000
app.js 3 DATABASE_PASSWORD=On0adDgBCE5ECWh6
purs
purs
controllers
userController.js
errorController.js
data
data_modules
file
files
routes
userRoutes.js
errorRoutes.js
intrc.json
stlerrc
.js
fig.env

```

Clusters | MongoDB Atlas https://cloud.mongodb.com/v2/5cb9b818a6f23958bb2aa881#clusters/connect?clusterId=Cluster0

Lisbon Usage This Month:\$0.00 details Jonas

We are deploying your changes (current)

JONAS SCHMIDTMANN > NATOURS-APP

Clusters

- Overview
- Security

Find a cluster...

SANDBOX

Cluster0 Version 4.0.8

CONNECT METRICS COLLECTIONS

INSTANCE SIZE M0 Sandbox (General)

REGION AWS N. Virginia (us-east-1)

TYPE Replica Set - 3 nodes

LINKED STITCH APP None Linked - Link Application

0.0 B 512.0 MB max 0.0 B

Build a New Cluster

Close Choose a connection method

Connect to Cluster0

Setup connection security Choose a connection method Connect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

You're ready to connect. Choose how you want to connect in the next step.

1 Whitelist your connection IP address

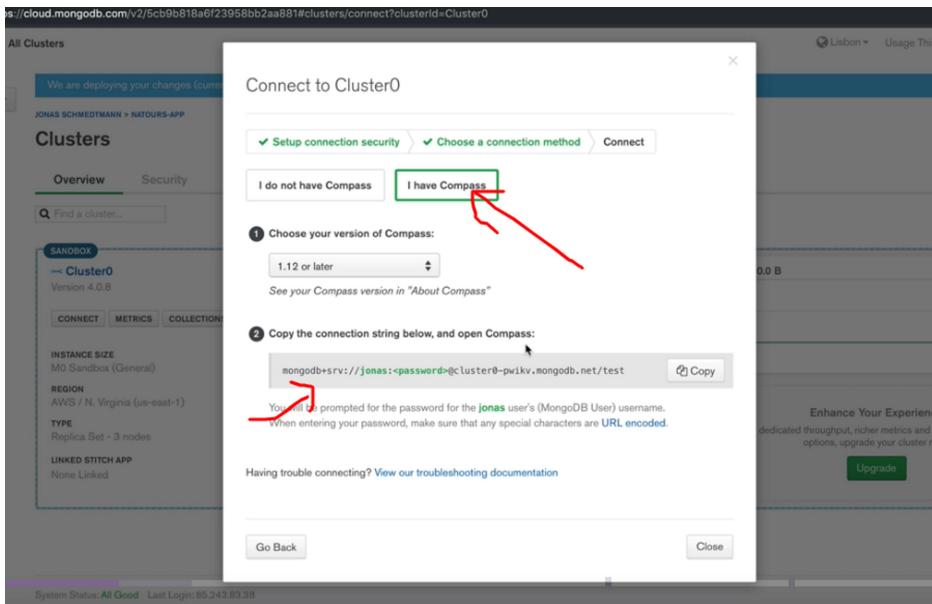
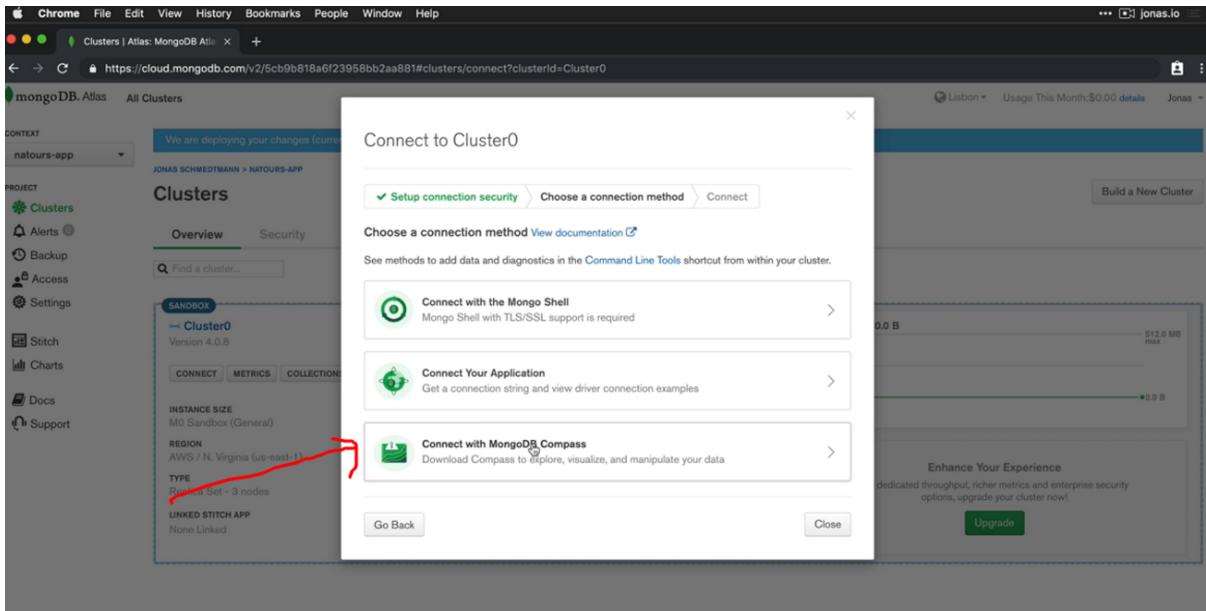
An IP address has been whitelisted. Add another whitelist entry in the [IP Whitelist tab](#).

2 Create a MongoDB User

A MongoDB user has been added to this project. Not yours? Create one in the [MongoDB Users tab](#). You'll need your MongoDB user's username and password in the next step.

Close Choose a connection method

Enhance Your Experience Dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now! Upgrade



Now open 'MongoDb Compass' and paste all the information.

(Connection String + Password)

Now we can see 3 pre-configured database has come.

MongoDB Compass - cluster0-pwikv.mongodb.net:27017

My Cluster

3 DBS 7 COLLECTIONS

Databases Performance

CREATE DATABASE

Database Name	Storage Size	Collections	Indexes
admin	0.0B	0	0
config	0.0B	1	0
local	0.0B	6	0

MongoDB 4.0.8 Enterprise

This screenshot shows the MongoDB Compass interface for a cluster named 'cluster0-shard-0'. The left sidebar shows 'My Cluster' with 3 DBS and 7 COLLECTIONS. The main area is titled 'Databases' and shows a table with three rows: 'admin', 'config', and 'local'. Each row includes columns for 'Database Name', 'Storage Size', 'Collections', and 'Indexes'. A green 'CREATE DATABASE' button is visible at the top of the table.

MongoDB Compass - cluster0-pwikv.mongodb.net:27017

My Cluster

3 DBS 7 COLLECTIONS

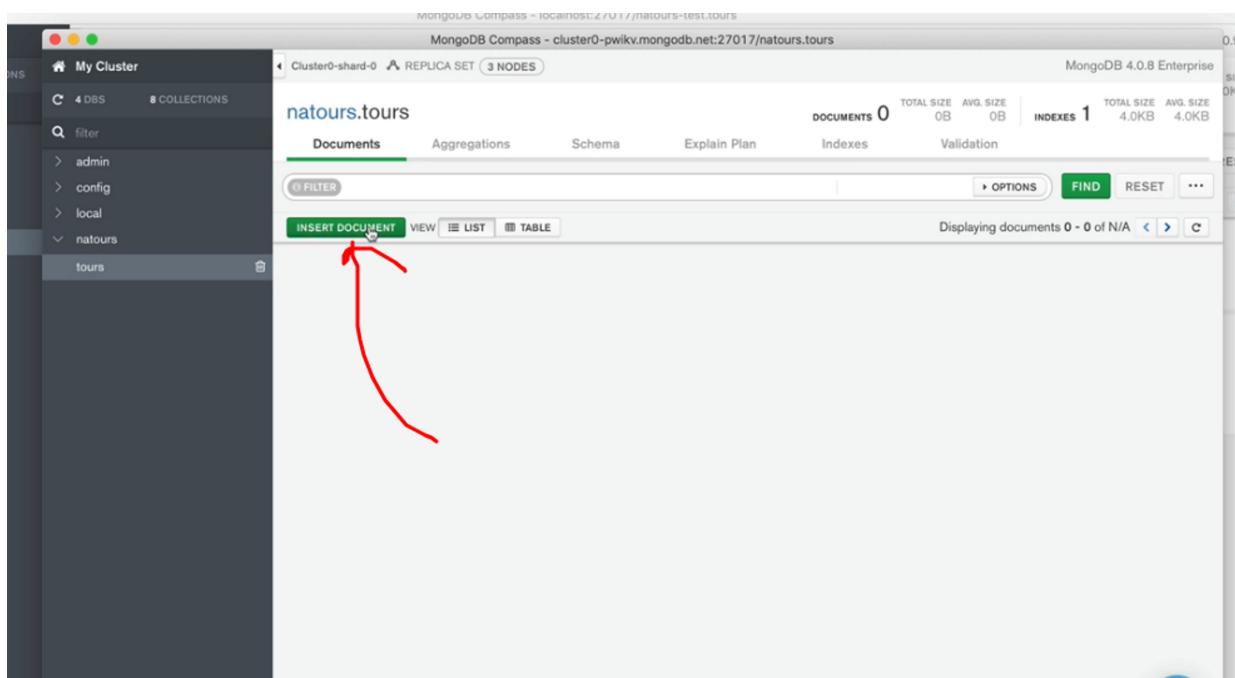
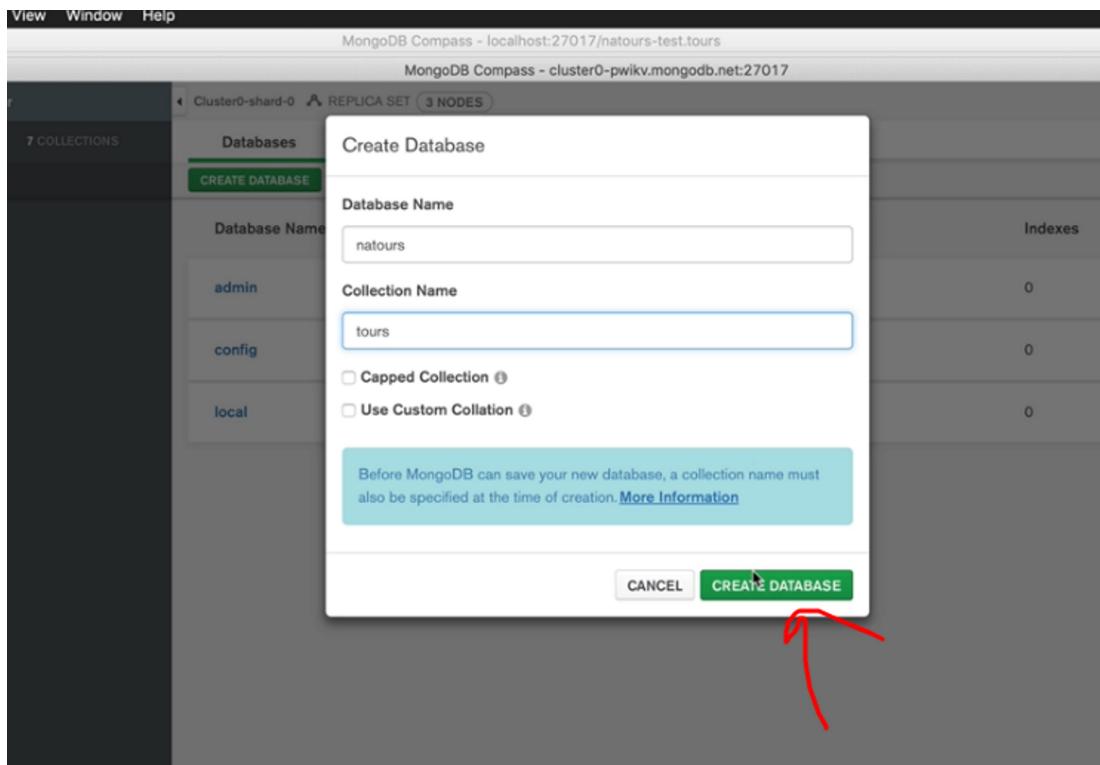
Databases Performance

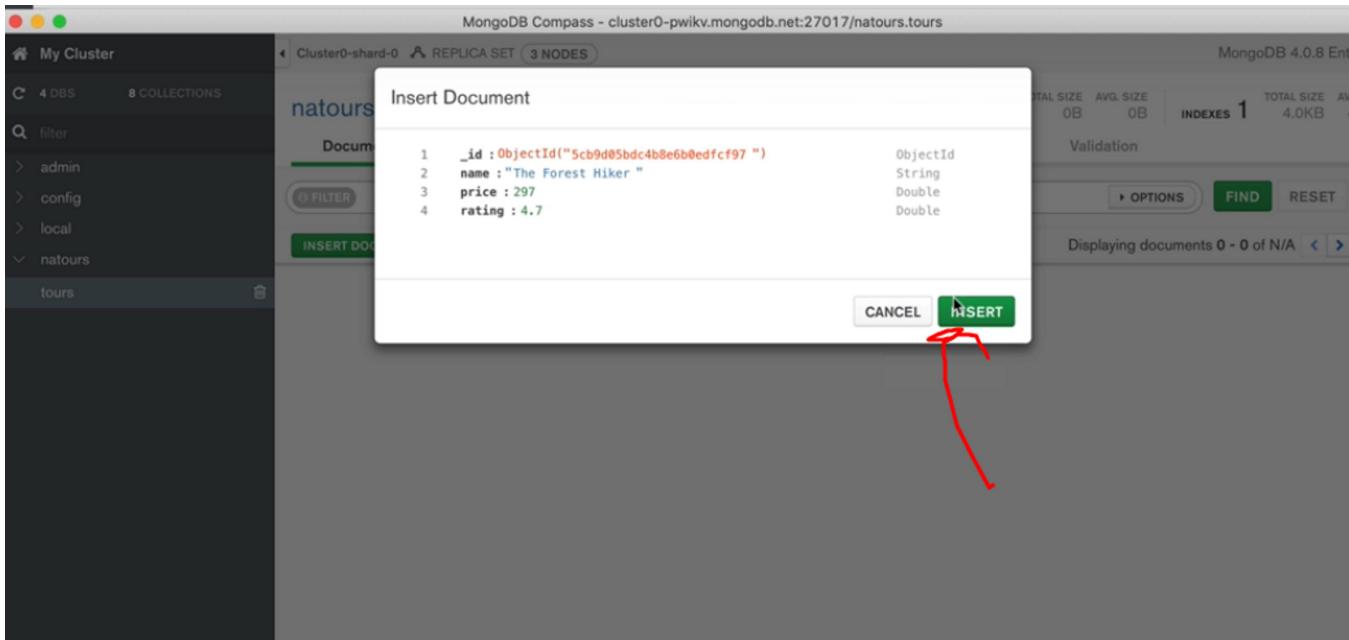
CREATE DATABASE

Database Name	Storage Size	Collections	Indexes
admin	0.0B	0	0
config	0.0B	1	0
local	0.0B	6	0

MongoDB 4.0.8 Enterprise

This screenshot is identical to the one above, but it features a red arrow originating from the bottom-left and pointing towards the 'CREATE DATABASE' button at the top of the database list.





Now open up your Chrome,

Open your Cluster

The screenshot shows the MongoDB Atlas web interface. The top navigation bar includes 'Chrome', 'File', 'Edit', 'View', 'History', 'Bookmarks', 'People', 'Window', 'Help', and a user dropdown for 'jonas.io'. The URL is 'https://cloud.mongodb.com/v2/5cb9b818a6f23958bb2aa881#clusters/detail/Cluster0'. The sidebar on the left has a 'CONTEXT' dropdown set to 'natours-app' and sections for 'PROJECT' (Clusters, Alerts, Backup, Access, Settings), 'Stitch', 'Charts', 'Docs', and 'Support'. The main content area is titled 'Clusters' and shows a list of clusters under the 'Sandbox' project. One cluster, 'Cluster0', is selected and detailed. The 'Cluster0' card displays metrics: 'Operations R: 0 W: 0', 'Logical Size 819.2 B', and 'Connections 2'. A red arrow points from the 'Clusters' section of the sidebar to the 'Cluster0' entry in the list. In the bottom right corner of the cluster card, there is an 'Upgrade' button.

mongDB. Atlas All Clusters

JONAS SCHMEDTMANN > NATOURS-APP > CLUSTERS

Cluster0

Overview Real Time Metrics Collections Command Line Tools

DATABASES: 1 COLLECTIONS: 1

+ Create Database NAMESPACES

natours.tours

COLLECTION SIZE: 80B TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 16KB

Find Indexes Document

FILTER: { "filter": "example" }

QUERY RESULTS 1-1 OF 1

`_id: ObjectId("5cb9d05bdc4b8e6b0edfcf97")
name: "The Forest Hiker"
price: 297
rating: 4.7`

I want everyone to allow this database. Because I want to work on a different machine next time.

mongoDB. Atlas All Clusters

JONAS SCHMEDTMANN > NATOURS-APP

Clusters

CONTEXT: natours-app PROJECT: Clusters

Alerts (1) Overview Security MongoDB Users MongoDB Roles IP Whitelist Peering Enterprise Security

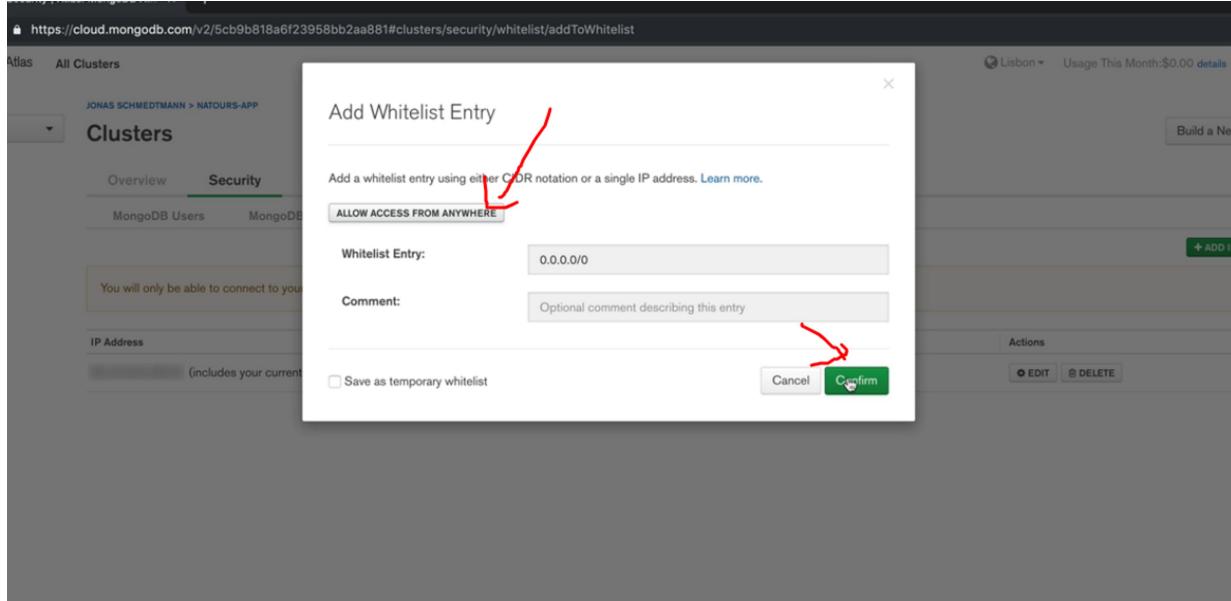
You will only be able to connect to your cluster from the following list of IP Addresses:

IP Address Comment Status Actions

(includes your current IP address)

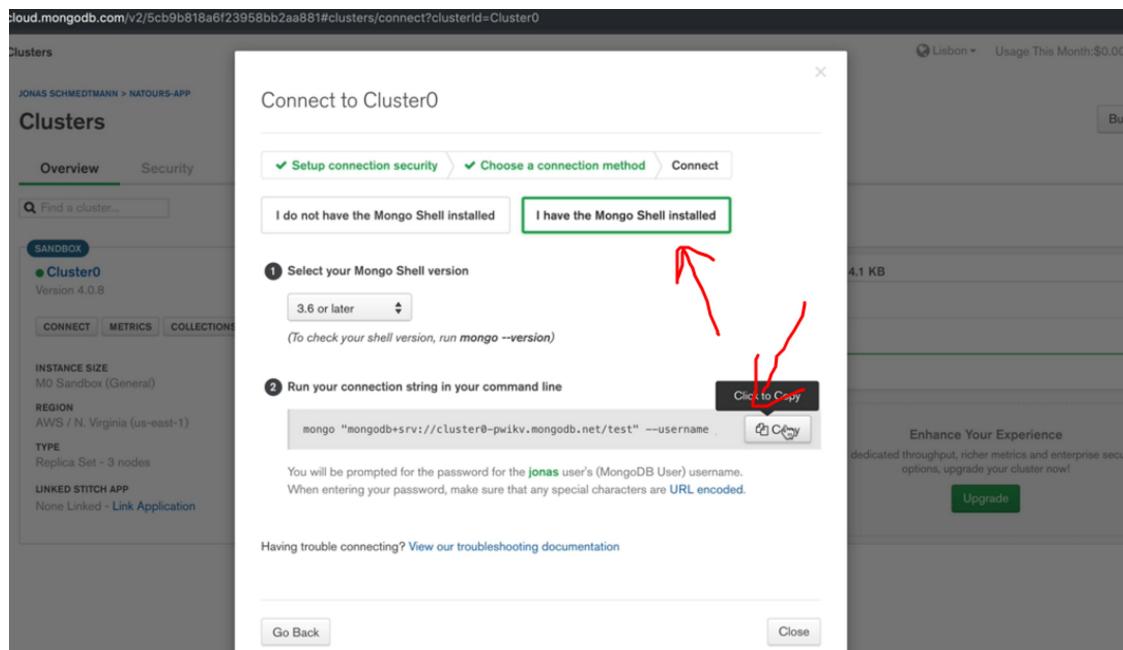
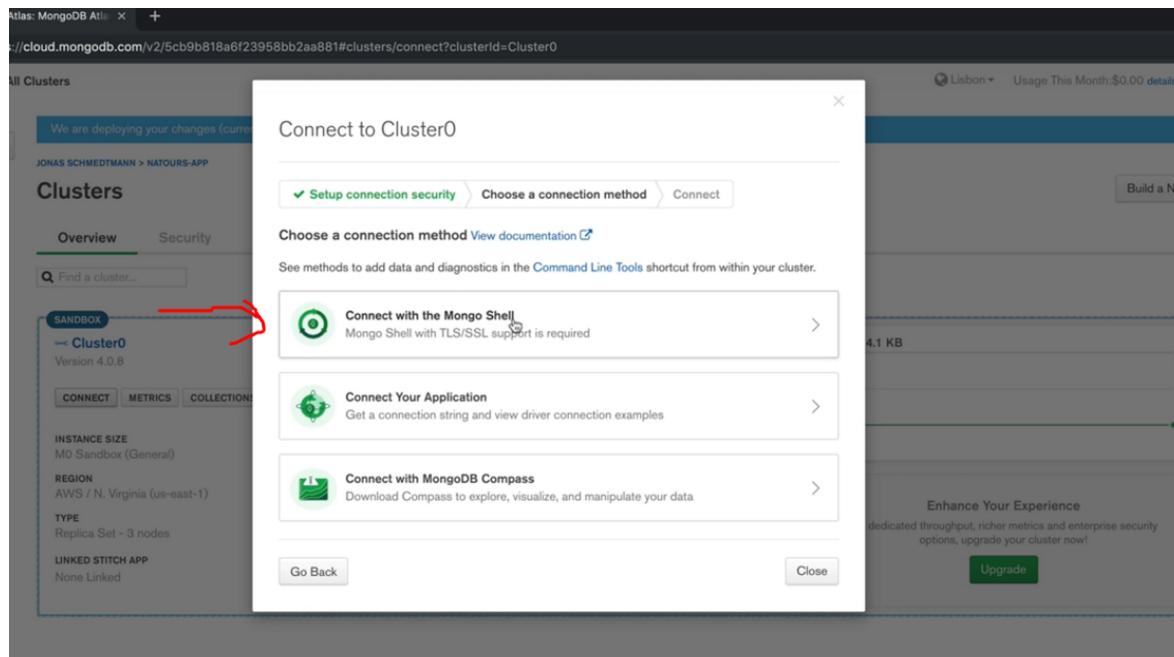
Active EDIT DELETE

Build a New Cluster ADD IP ADDRESS



Let's also allow our 'mongo shell' to this cluster.

A screenshot of the MongoDB Atlas interface showing the 'Clusters' section. On the left, there is a sidebar with 'CONTEXT' set to 'natours-app' and a list of project-related links: Alerts, Backup, Access, Settings, Stitch, Charts, Docs, and Support. A red arrow points from the 'Clusters' link in the sidebar to the 'Clusters' tab in the main navigation bar. The main area shows a cluster named 'Cluster0' in a 'SANDBOX' environment. It displays metrics like 'Operations R: 0.003 W: 0' and 'Logical Size 4.1 KB'. A red arrow points from the 'CONNECT' button in the cluster card to the 'Metrics' tab in the navigation bar. The 'Metrics' tab is currently selected. Other tabs shown are 'OVERVIEW' and 'COLLECTIONS'. The 'COLLECTIONS' tab has a red arrow pointing to it. The 'OVERVIEW' tab is also highlighted with a red arrow. The 'COLLECTIONS' tab shows a chart for 'Connections' with a value of 7 over the last 6 hours. To the right, there is an 'Enhance Your Experience' callout with an 'Upgrade' button.



```

mongod
jonas.io ➔ bin ➔ mongo "mongodb+srv://cluster0-pwikv.mongodb.net/test" --username jonas
MongoDB shell version v4.0.9
Enter password: 

```

Password from VSCode

No Need to Install MongoDB Locally

You don't need to install MongoDB on your computer

There have been some problems with installing MongoDB locally, because things change quite frequently.

The truth is, you don't need to install MongoDB on your computer in order to learn MongoDB and go through this course.

You can just use a hosted MongoDB instance using a service called **Atlas**, as I will teach you in **Lecture 80**.

This means you can **skip Lectures 72-78** (79 is relevant for installing the Compass app).

Happy learning! 🌟

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