

# Mongo DB instance on Google Cloud Platform

<https://www.mongodb.com/try>

## Step 1: Register

Your Company (optional)  
Company

How are you using MongoDB?  
I'm learning MongoDB ✓

Your Work Email  
me@email.com

First Name  
MyFirstName

Last Name  
MyLastName

Password  
••••••••

✓ 8 characters minimum

☒ I agree to the [terms of service](#) and [privacy policy](#).

**Get started free**

Already have an account? [Sign in.](#)

## Step 2: Select JavaScript language

### Name your organization and project

#### Organization

Your organization can be a business, team, or an individual

#### Project Name

Use projects to isolate different environments (development/testing/production)

### What is your preferred language?

We'll use this to customize code samples and content we share with you. You can always change this later.



JavaScript



C++



C# / .NET



Go



Java



C



Perl



PHP



Python



Ruby



Scala

Other

[Skip](#)

[Continue](#)

Step 3: Select GCP cloud provider

PREVIEW Serverless

Dedicated


FREE Shared


For learning and exploring MongoDB in a sandbox environment. Basic configuration controls.


No credit card required to start. Upgrade to dedicated clusters for full functionality.  
Explore with sample datasets. Limit of one free cluster per project.

Cloud Provider & Region

GCP, Belgium (europe-west1) ▾





 Google Cloud

 Azure


★ Recommended region ⓘ

NORTH AMERICA / SOUTH AMERICA


 Iowa (us-central1) ★


 Sao Paulo (southamerica-east1) ★


EUROPE / MIDDLE EAST / AFRICA


 Belgium (europe-west1) ★

ASIA PACIFIC

 Taiwan (asia-east1) ★

 Mumbai (asia-south1) ★

 Singapore (asia-southeast1) ★

 Tokyo (asia-northeast1) ★

Cluster Tier

M0 Sandbox (Shared RAM, 512 MB Storage) >

FREE

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

[Back](#)

Create Cluster

## Step 4: Create a database

### Database Deployments

Find a database deployment...

Cluster0

Connect

View Monitoring

Browse Collections

...

FREE SHARED

R 0

W 0

Last 13 seconds

100.0/s

Connections 0

Last 13 seconds

100.0

In 0.0 B/s

Out 0.0 B/s

Last 13 seconds

100.0 B/s

Data Size 0.0 B

Last 13 seconds

512.0 MB

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED REALM APP	ATLAS SEARCH
4.4.6	GCP / Belgium (europe-west1)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	Unable to load application data	<a href="#">Create Index</a>

## Step 5: Connect the application to GCP instance of Mongo

### Connect to Cluster0

✓ Setup connection security

Choose a connection method

Connect

Choose a connection method

[View documentation](#)

Get your pre-formatted connection string by selecting your tool below.

Connect with the MongoDB Shell

Interact with your cluster using MongoDB's interactive Javascript interface

>

Connect your application

Connect your application to your cluster using MongoDB's native drivers

>

Connect using MongoDB Compass

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

>

Go Back

Close

Connect to Cluster0

✓ Setup connection security

✓ Choose a connection method

Connect

1

Select your driver and version

DRIVER

Node.js

VERSION

3.7 or later

2

Add your connection string into your application code

☐ Include full driver code example

mongodb+srv://root:<password>@cluster0.s81s9.mongodb.net/myFirstDatabase?  
retryWrites=true&w=majority

Replace **<password>** with the password for the **root** user. Replace **myFirstDatabase** with the name of the database that connections will use by default. Ensure any option params are [URL encoded](#).

Having trouble connecting? [View our troubleshooting documentation](#)

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Close

### Final step: Add connection string to your express app index.js

```
MONGODB_URI = 'mongodb+srv://akam:reactnode@cluster0.ihlmt.mongodb.net/cinema';  
//Connect to MongoDB database  
mongoose.connect(MONGODB_URI, { useNewUrlParser: true, useUnifiedTopology: true })  
  .then(() => console.log(`Connected to database`))  
  .catch(error => console.log(`Could not connect to database: ${error}`));
```