

# Mongo Atlas Setup

<https://www.mongodb.com/download-center>

# MongoDB Atlas

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

[Start free](#)

1

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

## Cloud Provider & Region

Choose your preferred cloud provider and the region nearest to clients

Select a cloud provider to see its region availability.



Configure a **free tier cluster** by first selecting a region labeled with **FREE TIER AVAILABLE** then choose the M0 option in the Cluster Tier below.

★ recommended region i

### NORTH AMERICA

🇺🇸 N. Virginia (us-east-1) ★  
FREE TIER AVAILABLE

🇺🇸 Ohio (us-west-1) ★

🇺🇸 N. California (us-west-1)

🇺🇸 Oregon (us-west-2) ★

🇨🇦 Montreal (ca-central-1)

### EUROPE

🇮🇪 Ireland (eu-west-1) ★  
FREE TIER AVAILABLE

🇬🇧 London (eu-west-2)

🇩🇪 Frankfurt (eu-central-1) ★  
FREE TIER AVAILABLE

🇸🇬 Singapore (ap-southeast-1)

🇮🇳 Mumbai (ap-south-1)

AWS, N. Virginia (us-east-1) >

### ASIA

🇯🇵 Tokyo (ap-northeast-1)

🇰🇷 Seoul (ap-northeast-2)

🇸🇬 Singapore (ap-southeast-1)



# Sign Up

Get started free

No credit card required

Your Work Email



First Name

Last Name

Password



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

**Get started free**

## Starter Clusters

For teams learning MongoDB or developing small applications.

- ✓ Highly available auto-healing cluster
- ✓ End-to-end encryption
- ✓ Role-based action control
- ✗ No downtime scaling
- ✗ Network isolation
- ✗ Realtime performance metrics

Starting at

**FREE**

[Create a cluster](#)

## Single-Region Clusters

For teams building applications that need advanced development and production-ready environments.

- ✓ Includes all features from Starter Clusters
- ✓ No downtime scaling
- ✓ Network isolation
- ✓ Realtime performance metrics

Starting at

**\$0.08/hr\***

\*estimated cost \$56.94/month

[Create a cluster](#)

## Multi-Region Clusters

For teams developing world-class applications that require multi-region resiliency or ultra-low latency.

- ✓ Includes all features from Starter and Single-Region Clusters
- ✓ Replicate data across multiple regions

Global Clusters



- ✓ Globally distributed read and write operations
- ✓ Control data residency at the document level

Starting at

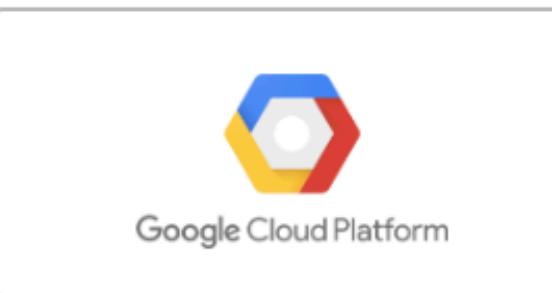
**\$0.13/hr\***

\*estimated cost \$98.55/month

[Create a cluster](#)

## Cloud Provider & Region

AWS, Ireland (eu-west-1) ▾



Create a **free tier cluster** by selecting a region with **FREE TIER AVAILABLE** and choosing the **M0** cluster tier below.

★ recommended region ⓘ

### NORTH AMERICA

🇺🇸 N. Virginia (us-east-1) ★

FREE TIER AVAILABLE

🇺🇸 Ohio (us-east-2) ★

🇺🇸 N. California (us-west-1)

🇺🇸 Oregon (us-west-2) ★

FREE TIER AVAILABLE

🇨🇦 Montreal (ca-central-1)

### EUROPE

🇸🇪 Stockholm (eu-north-1) ★

🇮🇪 Ireland (eu-west-1) ★

🇬🇧 London (eu-west-2) ★

🇫🇷 Paris (eu-west-3) ★

🇩🇪 Frankfurt (eu-central-1) ★

FREE TIER AVAILABLE

### ASIA

🇭🇰 Hong Kong (ap-east-1) ★

🇯🇵 Tokyo (ap-northeast-1) ★

🇰🇷 Seoul (ap-northeast-2)

🇸🇬 Singapore (ap-southeast-1) ★

FREE TIER AVAILABLE

🇮🇳 Mumbai (ap-south-1)

FREE TIER AVAILABLE

### SOUTH AMERICA

### AUSTRALIA

FREE

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

Cancel

Create Cluster

3



## CONTEXT

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

Project 0

Build a New Cluster

## Clusters

Find a cluster...

## ATLAS

## Clusters

Data Lake BETA

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

Trig

Get Started

4

System Status: All Good Last Login: 77.139.250.104

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## SANDBOX

## Cluster0

Version 4.0.10

4

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

...

## INSTANCE SIZE

M0 Sandbox (General)

## REGION

AWS / Ireland (eu-west-1)

## TYPE

Replica Set - 3 nodes

## LINKED STITCH APP

None Linked

Operations R: W:

100.0/s

Last 6 Hours

Connections 0

100 max

Last 6 Hours

Logical Size 0.0 B

512.0 MB  
max

Last 6 Hours

## Enhance Your Experience

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

[Upgrade](#)

## CONTEXT

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0 &gt; CLUSTERS

Project 0

## Cluster0

VERSION  
4.0.10REGION  
Ireland (eu-west-1)

## ATLAS

Clusters

Data Lake BETA

Overview

Real Time

Metrics

Collections

Command Line Tools

DATABASES: 0 COLLECTIONS: 0

REFRESH

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

Run queries, view metadata about your collections, manage indexes, and interact with your data with full CRUD functionality.



## Interact with your data

Load a Sample Dataset

Add my own data

5

[More information](#)

## SERVICES

Charts

Stitch

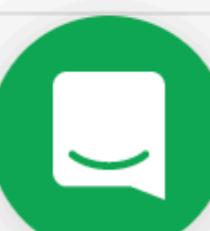
Trig

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Project 0

TLAS

Clusters

Data Lake BETA

SECURITY

Database Access

Network Access

Advanced

PROJECT

Access Management

Activity Feed

Alerts 0

Settings

SERVICES

Charts

Stitch

Trig

ELP

 Get Started 4

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## Create Database

DATABASE NAME ?

CAR\_DB

6

COLLECTION NAME ?

car

7

 CAPPED COLLECTION

Before MongoDB can save your new database, a collection name must be specified at the time of creation.

Cancel

Create

8

Load a Sample Dataset

Add my own data

More information

## CONTEXT

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0 &gt; CLUSTERS

Project 0

VERSION  
4.0.10REGION  
Ireland

## Cluster0

## ATLAS

Clusters

Data Lake BETA

## SECURITY

Database Access

9

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

Trig

Get Started 4

## HELP

[Overview](#)[Real Time](#)[Metrics](#)[Collections](#)[Command Line Tools](#)

DATABASES: 1 COLLECTIONS: 1

[+ Create Database](#)

NAMESPACES

CAR\_DB

car

## CONTEXT

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

Project 0 ▾

## Database Access

## ATLAS

Clusters

Data Lake BETA

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

## MongoDB Users

## MongoDB Roles

10

+ ADD NEW USER

User Name ▾

Authentication Method ▾

MongoDB Roles

Actions



## Create a database user

Set up database users, permissions, and authentication credentials in order to connect to your clusters.

[Learn more](#)

## CONTEXT

Project 0

## ATLAS

Clusters

Data Lake BETA

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

Trig

 Get Started

4

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## Add New User

## SCRAM Authentication

SCRAM is MongoDB's default authentication method.

11

yovel

e.g. new-user\_31

12

.....

SHOW

*this password contains special characters  
which will be URL-encoded*

## User Privileges

Atlas admin

Read and write to  
any databaseOnly read any  
databaseSelect Custom  
Role[Add Default Privileges](#) Save as temporary user

13

Cancel

Add User





## CONTEXT

Project 0

We are deploying your changes (current action: configuring MongoDB)

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

## ATLAS

Clusters

Data Lake BETA

## Database Access

MongoDB Users

MongoDB Roles

## SECURITY

Database Access

Network Access

Advanced

14

User Name	Authentication Method	MongoDB Roles	Actions
yovel	SCRAM	readWriteAnyDatabase@admin	<a href="#">EDIT</a> <a href="#">DELETE</a>

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

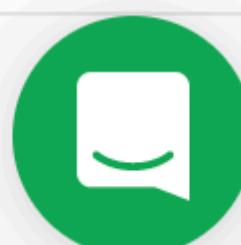
Trig

[Get Started](#)

3

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## CONTEXT

Project 0

We are deploying your changes (current action: configuring MongoDB)

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

## ATLAS

Clusters

Data Lake BETA

IP Whitelist Peering

15

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts



## Whitelist an IP address

Configure which IP addresses can access your cluster.

[Learn more](#)

## Trig

Get Started

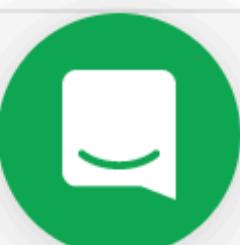
3

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YOVEL'S ORG - 20

**Network**

IP White

IP Address

ers

Lake BETA

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base Access

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Get Started

3

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## Add Whitelist Entry

Add a whitelist entry using either CIDR notation or a single IP address. [Learn more.](#)

[ADD CURRENT IP ADDRESS](#)[ALLOW ACCESS FROM ANYWHERE](#)**Whitelist Entry:**

0.0.0.0/0

**Comment:**

Optional comment describing this entry

 Save as temporary whitelist

Cancel

Confirm

16

17

## Whitelist an IP address

Configure which IP addresses can access your cluster.

[Learn more](#)



## CONTEXT

Project 0

We are deploying your changes (current action: configuring MongoDB)

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

## ATLAS

Clusters

18

Data Lake BETA

## Network Access

IP Whitelist Peering

## SECURITY

Database Access

[+ ADD IP AD](#)

Network Access

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

Advanced

## PROJECT

Access Management

IP Address	Comment	Status	Actions
0.0.0.0/0 (includes your current IP address)		<span style="color: green;">●</span> Active	<a href="#">EDIT</a> <a href="#">DELETE</a>

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

Trig

[Get Started](#) 2

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## HELP

## CONTEXT

YOVEL'S ORG - 2019-07-08 &gt; PROJECT 0

Project 0

Build a New Cluster

## Clusters

Find a cluster...

## ATLAS

## Clusters

Data Lake BETA

## SECURITY

Database Access

Network Access

Advanced

## PROJECT

Access Management

Activity Feed

Alerts 0

Settings

## SERVICES

Charts

Stitch

Trig

 Get Started 2

## HELP

## SANDBOX

Cluster0

Version 4.0.10

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

## INSTANCE SIZE

M0 Sandbox (General)

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## TYPE

Replica Set - 3 nodes

## LINKED STITCH APP

None Linked

Operations R: 0 W: 0

100.0/s

Last 6 Hours

Connections 1

100 max

Last 6 Hours

Logical Size 0.0 B

512.0 max

Last 6 Hours

## Enhance Your Experience

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

Upgrade

# Paste your copied url

**Remember to enter you password of the user that you entered in step 13!**

22

```
er-backend > config > JS prod.js > ...
export default {
  dbURL: 'mongodb+srv://theUser:thePass@cluster0-klgzh.mongodb.net/test?retryWrites=true&w=majority',
  dbName: 'tester_db',
}
```

Atlas Jonathan's ... Access Manager All Clusters Get Help Jonathan

yoyo Data Services App Services Charts

JONATHAN'S ORG - 2022-05-21 > YOYO

## Database Deployments

Find a database deployment...

Cluster0 Connect View Monitoring

Visualize Your Data

Build dashboards and charts, and embed them in your apps with MongoDB Charts.

Dismiss Explore Charts

VERSION REGION CLUSTER

6.0.10 AWS / N. Virginia (us-east-1) M0 Sar

+ Add Tag

System Status: All Good

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### Connect to Cluster0

1 Set up connection security 2 Choose a connection method 3 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

Atlas Jonathan's ... Access Manager Billing

yoyo Data Services App Services Charts

Overview JONATHAN'S ORG - 2022-05-21 YOYO Database Deployments

DEPLOYMENT Database Data Lake

SERVICES Device Sync Triggers Data API Data Federation Search Stream Processing

SECURITY Backup Database Access Network Access Advanced

New On Atlas 3 Goto

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## Connect to Cluster0

Set up connection security Choose a connection method Connect

### Connecting with MongoDB Compass

I don't have MongoDB Compass installed I have MongoDB Compass installed

1. Select your operating system and download MongoDB Compass

macOS arm64 (M1) (11.0+)

Download Compass (1.40.2) or Copy download URL

Compass is an interactive tool for querying, optimizing, and analyzing your MongoDB data.

2. Copy the connection string, then open MongoDB Compass

mongodb+srv://yonatan:<password>@cluster0.itxgwah.mongodb.net/

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

RESOURCES

Connect with Compass Access your Database Users Import and Export Data Troubleshoot Connections

Go Back Close

# How to connect Mongo compass - OPTIONAL!!

## IF WE WANT WE CAN USE ONLY ATLAS

Connect Edit View Help

Compass

New connection +

Saved connections

Recents

- cluster0.itxgwah.mongodb.net Oct 1, 2023, 10:12 AM
- localhost:27017 Oct 1, 2023, 9:48 AM
- cluster0.vfxenny.mongodb.net Sep 30, 2023, 4:58 PM

New Connection

Connect to a MongoDB deployment

URI 1

>Edit Connection String

mongoDB+srv://yonatan:<password>@cluster0.itxgwah.mongodb.net/

Advanced Connection Options

Save

Save & Connect

Connect

FAVORITE

New to Compass and don't have a cluster?

If you don't already have a cluster, you can create one for free using [MongoDB Atlas](#)

[CREATE FREE CLUSTER](#)

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect.

[See example](#)

How do I format my connection string?

[See example](#)

