

Actividad 03. Despliegue clúster MongoDB en la nube

1. Nos registramos desde <https://www.mongodb.com/es/atlas> y accedemos.



Log in to your account

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



Google



GitHub

Or with email and password

Email Address

alebernadev@gmail.com

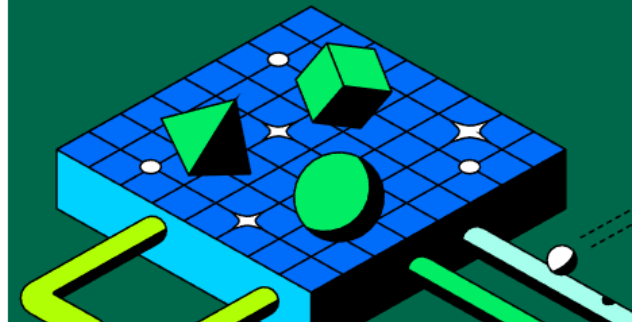


Next

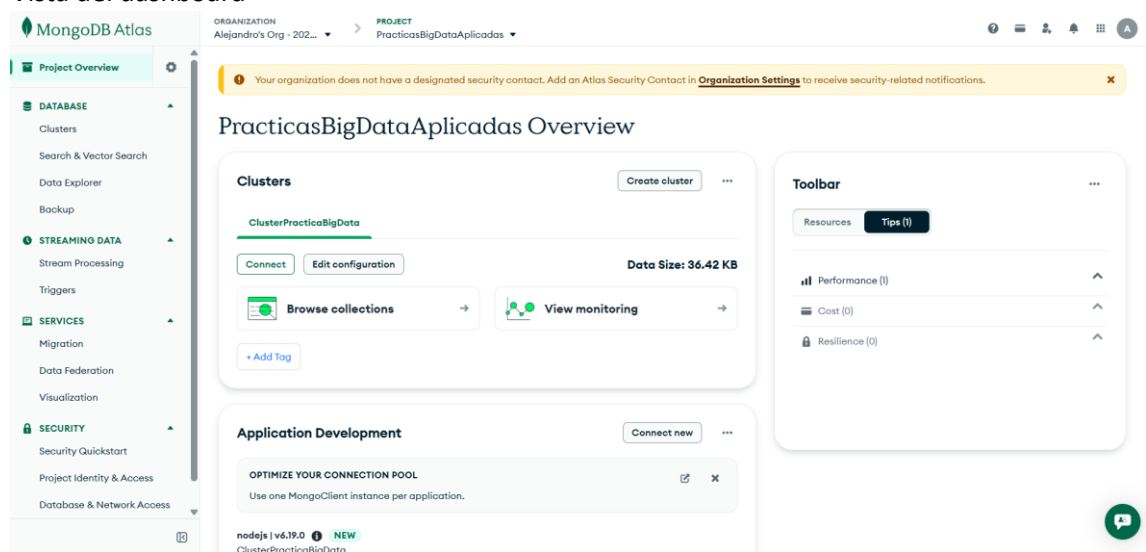
Introducing the MongoDB MCP Server

Connect to your MongoDB databases with AI tools & IDEs like Cursor, Claude, Windsurf, Copilot, and more for natural language code generation.

[Try now](#) →

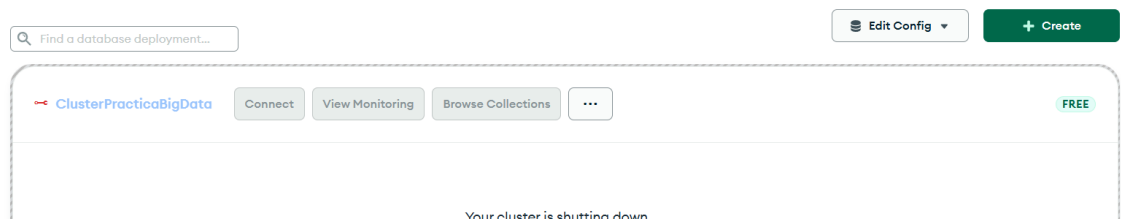


2. Seguramente nos pida una verificación al correo electrónico.
3. Vista del dashboard



4. Dar a ver todos los cluster, tengo uno creado anteriormente, lo voy a borrar en ver todos los cluster para iniciar uno nuevo.

5. Crear uno nuevo
Clusters



6. Opción gratuita
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** **\$0.09/hour**

Dedicated cluster for development environments and low-traffic applications.

STORAGE	RAM	vCPU
10 GB	2 GB	2 vCPUs

☐ **Flex** **From \$0.011/hour**
Up to \$30/month

For 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.

7. Mantener en esta misma pantalla AWS y poner la región. Además no olvidarse de poner el nombre del Cluster.

Configurations

Name

You cannot change the name once the cluster is created.

ClusterPrueba

Provider



Region

Paris (eu-west-3) ★ 🌿

★ Recommended ⓘ 🌿 Low carbon emissions ⓘ

Tag (optional)

Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)

Select or enter key : Select or enter value

Quick setup




☒ Automate security setup ⓘ




☐ Preload sample dataset ⓘ

8. En la misma pantalla dar a Create Deployment.



ORGANIZATION Alejandro's Org - 202... PROJECT PracticasBigDataAplicadas



Name You cannot change the name once the cluster is created.
ClusterPrueba

Provider   

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Tag (optional) Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)
Select or enter key Select or enter value


☐ Automate security setup 
☐ Preload sample dataset 

 I'll do this later 


9. A continuación aparecerá la pantalla de configuración para conectar tu cluster a la aplicación, los drivers.


1 2 3
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 >

10. Añadimos las configuraciones, y es muy importante coger la dirección de enlace que nos proporciona para luego hacer nuestra conexión en mongodb
mongodb+srv://alebernadev_db_user:<db_password>@clusterprueba.6lmpltc.mongo

db.net/

Connect to ClusterPrueba

Set up connection security Choose a connection method **3 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 x64 (Intel) (11+)

Download Compass (1.48.2) 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

Use this connection string in your application

`mongodbsrv://alebernadev_db_user:<db_password>@clusterprueba.6lmp1tc.mongodb.net/`

Replace `<db_password>` with the password for the `alebernadev_db_user` user. Ensure any options are [URL encoded](#). You can edit your database user password in [Database Access](#).

RESOURCES

11. Tenemos el cluster activo para la conexión
Clusters

Find a database deployment... Edit Config Create

ClusterPrueba Connect View Monitoring Browse Collections FREE

Visualize Your Data

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

Explore Charts Dismiss

Visualizations:

- R 0 Last 7 minutes 100.0/s
- W 0 Last 7 minutes 100.0
- Connections 0 Last 7 minutes 100.0
- In 0.00 B/s Last 7 minutes 100.00 B/s
- Out 0.00 B/s Last 7 minutes 100.00 B/s
- Data Size 0.00 B / 512.00 MB (0%) Last 7 minutes 512.00 MB

VERSION	REGION	TYPE	BACKUPS	LINKED APP SERVICES	ATLAS SQL	ATLAS SEARCH
8.0.17	AWS / Paris (eu-west-3)	Replica Set - 3 nodes	Inactive	None Linked	Connect	Create Index

+ Add Tag


12. Para hacer una nueva conexión en nuestro entorno. Dar a nueva conexión, y poner el enlace que hemos copiado en el recuadro. ATENCION: es importante poner contraseña

de nuestro usuario de Atlas. Posteriormente dar a save & connect

New Connection

Manage your connection settings

URI ⓘ

Edit Connection String 

mongodb+srv://alebernadev_db_user:<db_password>@clusterprueba.6lmpltc.mongodb|

Name

clusterprueba.6lmpltc.mongodb

Color

No Color

☐ Favorite this connection

Favoriting a connection will pin it to the top of your list of connections

> Advanced Connection Options

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](#)

Cancel

Save

Connect

Save & Connect

```
{ "id": "61f22b28784a0083465cd1", "name": "5AA" }
```