

## Mongo Atlas



### ¿Qué es Mongo Atlas?

[MongoDB Atlas](#) es una base de datos basada en el almacenamiento cloud administrada usando **MongoDB**. Este combina datos similares a JSON, indexación y búsquedas avanzadas y automatizando tareas que llevan mucho tiempo.

### Empezando con Mongo Atlas

Para empezar, iremos a la web de [Mongo Atlas](#) y pinchamos en el botón verde que indica “Get started now”. Una vez aquí nos pedirá registrarnos. Para ahorrar tiempo podemos registrarnos con google. Una vez hagamos esto nos aparecerá la siguiente página:

A screenshot of the MongoDB Atlas account setup page. The page has a light gray background with a subtle dot pattern. At the top, there is a MongoDB logo and the text "MONGODB ATLAS". Below this, the heading "Let's get your account set up" is displayed in a green font. The main content area is divided into two sections. The first section, "Name your organization and project", contains two input fields. The first field is labeled "Organization" with the subtext "Your organization can be a business, team, or an individual" and contains the text "Miguel's Org - 2021-05-04". The second field is labeled "Project Name" with the subtext "Use projects to isolate different environments (development/testing/production)" and contains the text "Project 0". The second section, "What is your preferred language?", contains the subtext "We'll use this to customize code samples and content we share with you. You can always change this later." Below this subtext is a grid of 12 buttons, each with a language icon and name: JavaScript, C++, C# / .NET, Go, Java, C, Perl, PHP, Python, Ruby, Scala, and Other. At the bottom right of the form, there are two buttons: "Skip" and "Continue".

Ponemos el nombre que deseamos y a continuación aparecerán 3 opciones:

**Choose a path. Adjust anytime.**  
Available as a fully managed service across 60+ regions on AWS, Azure, and Google Cloud

**Dedicated Multi-Cloud & Multi-Region Clusters**

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

- ✓ Includes all features from Shared and Dedicated Clusters
- ✓ Replicate data across clouds and regions
- ✓ Globally distributed read and write operations
- ✓ Control data residency at the document level

Create a cluster

Starting at  
**\$0.13/hr\***  
\*estimated cost \$98.55/month

**Dedicated Clusters**

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

- ✓ Includes all features from Shared Clusters
- ✓ Auto-scaling
- ✓ Network isolation
- ✓ Realtime performance metrics

Create a cluster

Starting at  
**\$0.08/hr\***  
\*estimated cost \$58.94/month

**Shared Clusters**

For teams learning MongoDB or developing small applications.

- ✓ Highly available auto-healing cluster
- ✓ End-to-end encryption
- ✓ Role-based access control

Create a cluster

Starting at  
**FREE**

[Dismiss](#) [Advanced Configuration Options](#)

Escogemos la gratuita (derecha) y creamos el cluster.

CLUSTERS > CREATE A SHARED CLUSTER

### Create a Shared Cluster

Welcome to MongoDB Atlas! We've recommended some of our most popular options, but feel free to customize your cluster to your needs. For more information, check our [documentation](#).

**Cloud Provider & Region** AWS, N. Virginia (us-east-1) ▾

★ Recommended region ⓘ

ASIA	EUROPE	NORTH AMERICA
Singapore (ap-southeast-1) ★	Frankfurt (eu-central-1) ★	N. Virginia (us-east-1) ★
Mumbai (ap-south-1)	Ireland (eu-west-1) ★	Oregon (us-west-2) ★
<b>AUSTRALIA</b>		
Sydney (ap-southeast-2) ★		

**Cluster Tier** M0 Sandbox (Shared RAM, 512 MB Storage) >  
Encrypted

**Additional Settings** MongoDB 4.4, No Backup >

**Cluster Name** Cluster0 >

**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](#)

Aquí podemos dejar todo tal y como está, y podemos cambiar el nombre del cluster si así lo deseamos. Una vez comprobado que todo esté bien le damos a crear cluster.

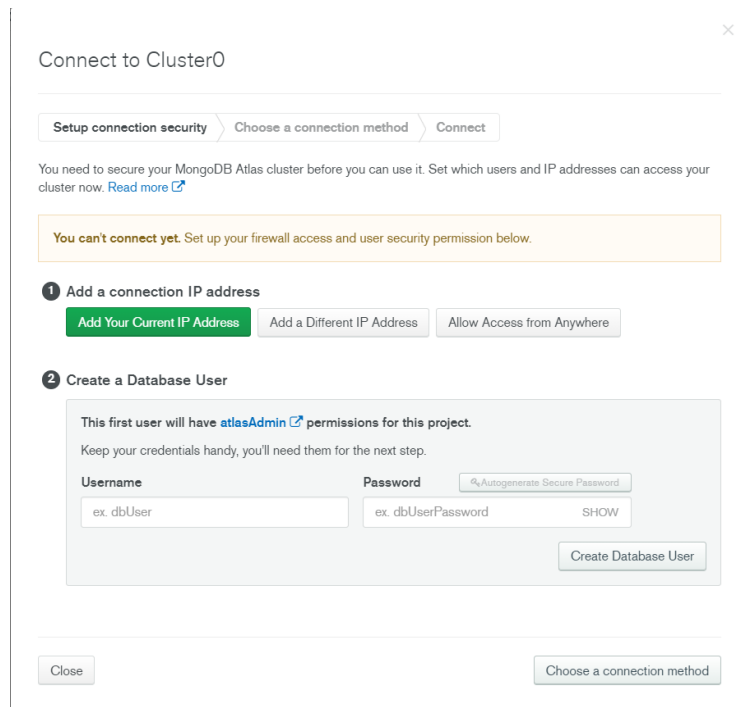
A continuación se creará nuestro cluster, tarda un momento en hacerlo. Una vez creado deberá de aparecernos la siguiente página:

The screenshot shows the MongoDB Atlas interface. The top navigation bar includes 'Miguel's Org - 2021-05-04', 'Access Manager', 'Support', and 'Billing'. The main header shows 'Project 0', 'Atlas', 'Realm', and 'Charts'. The left sidebar has 'DATA STORAGE' (Clusters, Triggers, Data Lake) and 'SECURITY' (Database Access, Network Access, Advanced). The main content area is titled 'Clusters' and shows a search bar 'Find a cluster...'. Below this, the 'Cluster0' configuration is displayed under the 'SANDBOX' tab. It includes buttons for 'CONNECT', 'METRICS', and 'COLLECTIONS'. The configuration details are: 'CLUSTER TIER: M0 Sandbox (General)', 'REGION: AWS / N. Virginia (us-east-1)', 'TYPE: Replica Set - 3 nodes', and 'LINKED REALM APP: None Linked'. A 'This is a Shared Tier Cluster' warning box with an 'Upgrade' button is also present. On the right, there are graphs for 'Logical Size' (0.0 B / 512.0 MB max) and 'Connect' status. At the bottom left, a 'Connect to Atlas' checklist shows 20% completion with steps: 'Build your first cluster' (checked), 'Create your first database user', 'Add IP Address to your Access List', 'Load Sample Data (Optional)', and 'Connect to your cluster'. A 'Get Started' button with a '4' badge is at the bottom left, and 'System Status: All Good' is at the bottom right.

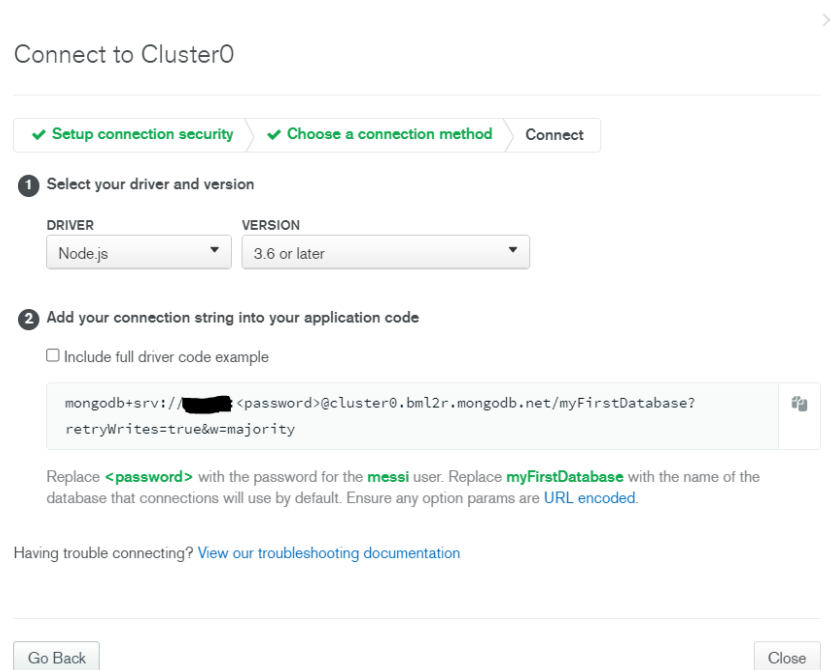
Abajo a la izquierda nos aparecerá una barra de progreso con lo que debemos de ir haciendo para que nuestro cluster funcione. A continuación, en nuestro cluster, accedemos a las colecciones y en estas creamos la base de datos.

The 'Create Database' dialog box has a title bar with a close button. It contains two input fields: 'DATABASE NAME' with a placeholder 'Enter database name' and 'COLLECTION NAME' with a placeholder 'Enter collection name'. Below these is a checkbox labeled 'Capped Collection' with a description: 'Before MongoDB can save your new database, a collection name must be specified at the time of creation.' At the bottom right are 'Cancel' and 'Create' buttons.

A continuación nos conectamos con el cluster pero nos pide crear un usuario primero, así que lo creamos de la siguiente manera y añadimos nuestra una dirección IP o permitimos el acceso a cualquier IP. Lo ideal sería seleccionar la última opción.



Por último nos conectamos con el método que queramos. En nuestro caso escogeremos conectarnos con una aplicación. Por último copiamos ese enlace y lo pegamos en el archivo de database de nuestro proyecto en replit.



Hecho todo esto ya tendremos acceso a nuestra base de datos desde Replit.