

## Primeros pasos en Mongo Atlas

### Paso 1: Crear una cuenta en MongoDB Atlas

- ☐ Ve al sitio web de MongoDB Atlas (<https://www.mongodb.com/cloud/atlas>) y haz clic en "Try Free".
- ☐ Ingresa tu dirección de correo electrónico, crea una contraseña y haz clic en "Get Started Free".

### Paso 2: Crear un nuevo clúster

- ☐ Después de iniciar sesión en tu cuenta de MongoDB Atlas, haz clic en "Build a Cluster" o "Create a New Cluster" para comenzar a crear un nuevo clúster.
- ☐ Selecciona una nube y una región para alojar tu clúster.
- ☐ Elige una configuración del clúster. Puedes optar por la configuración predeterminada o personalizarla según tus necesidades.
- ☐ Asigna un nombre a tu clúster y haz clic en "Create Cluster". Esto iniciará el proceso de creación del clúster, lo que puede llevar unos minutos.

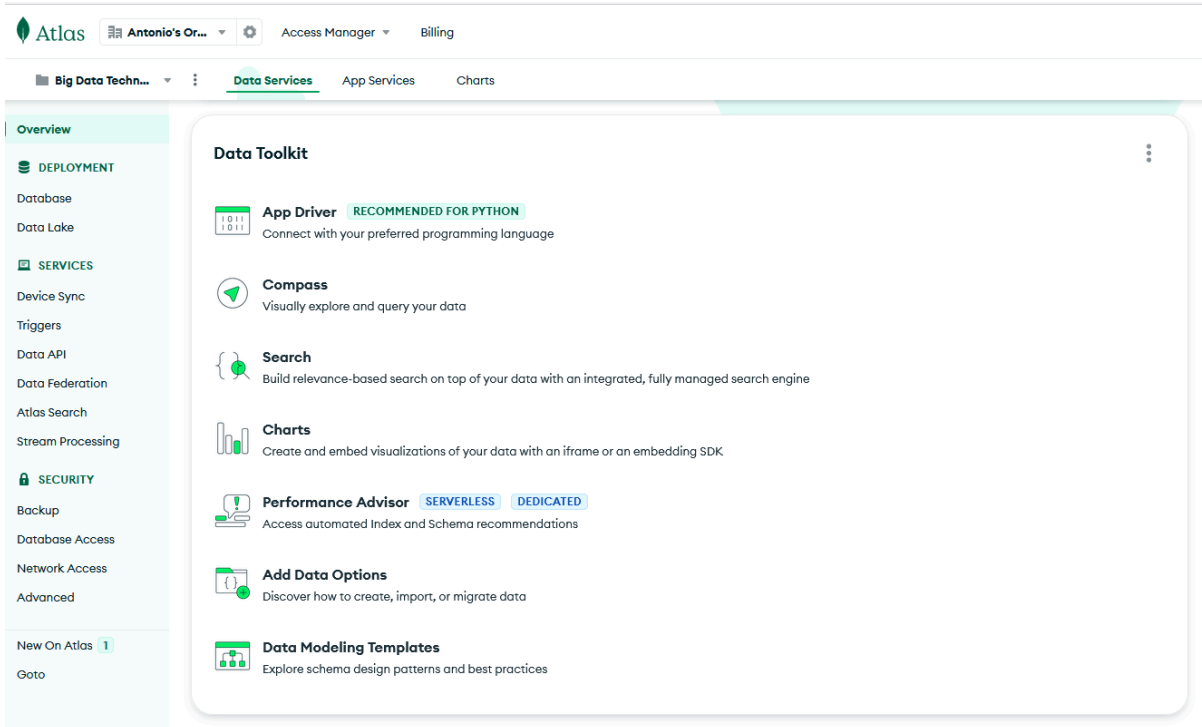
### Paso 3: Crear un proyecto

- ☐ Después de que se haya creado tu clúster, serás redirigido al panel de control de MongoDB Atlas.
- ☐ Haz clic en "Organization" en el menú de la izquierda y luego en "Projects".
- ☐ Haz clic en el botón "New Project" y asigna un nombre a tu proyecto.
- ☐ Haz clic en "Create Project" para crear el proyecto.

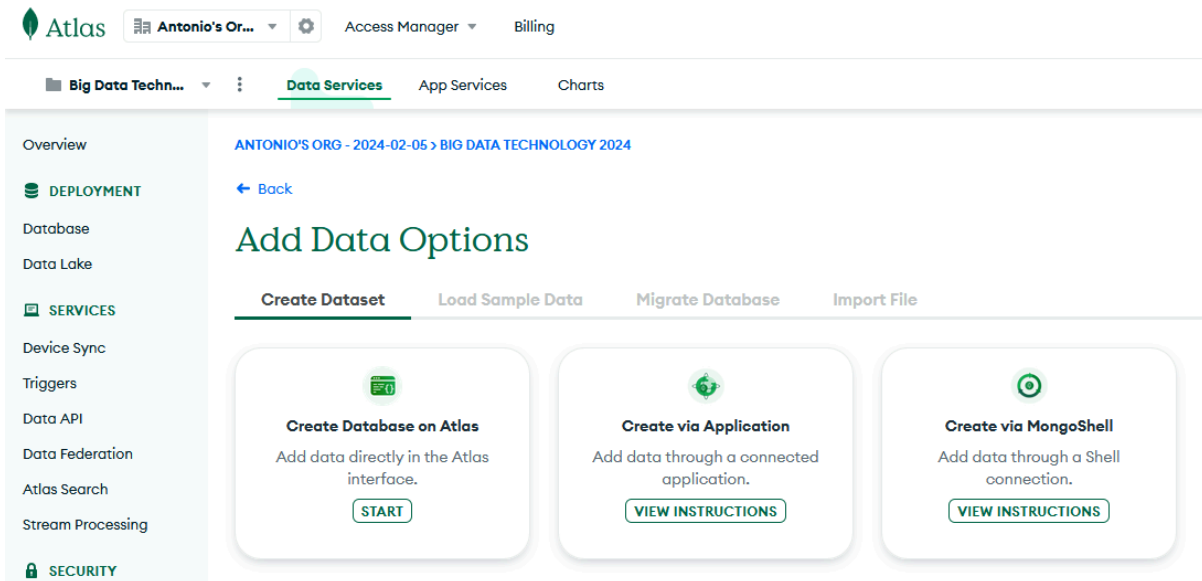
### Paso 4: Crear una base de datos y conectarte a ella

- ☐ En el panel de control de tu proyecto, haz clic en "DataServices" en el menú.
- ☐ Selecciona Add Data.
- ☐ Haz clic en el botón "Create Database on Atlas".

Nota: Si queremos añadir datos vía CSV, JSON lo haremos desde Overview → Data Services → Add Data Options:



The screenshot shows the Atlas Data Services overview page. The top navigation bar includes the Atlas logo, a user profile dropdown for 'Antonio's Or...', and links to 'Access Manager' and 'Billing'. The main navigation bar has tabs for 'Big Data Techn...', 'Data Services' (selected), 'App Services', and 'Charts'. The left sidebar contains a tree view with categories: Overview, DEPLOYMENT (Database, Data Lake), SERVICES (Device Sync, Triggers, Data API, Data Federation, Atlas Search, Stream Processing), SECURITY (Backup, Database Access, Network Access, Advanced), and a 'New On Atlas' section with a 'Goto' link. The main content area is titled 'Data Toolkit' and lists several services: 'App Driver' (RECOMMENDED FOR PYTHON), 'Compass', 'Search', 'Charts', 'Performance Advisor' (SERVERLESS, DEDICATED), 'Add Data Options', and 'Data Modeling Templates'.



The screenshot shows the 'Add Data Options' page in the Atlas interface. The top navigation bar is identical to the previous screenshot. The left sidebar is also identical. The main content area has a breadcrumb trail: 'ANTONIO'S ORG - 2024-02-05 > BIG DATA TECHNOLOGY 2024'. Below this is a 'Back' link. The page title is 'Add Data Options'. There are four tabs: 'Create Dataset' (selected), 'Load Sample Data', 'Migrate Database', and 'Import File'. Below the tabs are three cards: 'Create Database on Atlas' (with a 'START' button), 'Create via Application' (with a 'VIEW INSTRUCTIONS' button), and 'Create via MongoDB Shell' (with a 'VIEW INSTRUCTIONS' button).

Para añadir contenido en CSV, hemos de usar la vía MongoDB Shell

# Connect to BigDataTechnologyICAI



I don't have the MongoDB Shell installed

I have the MongoDB Shell installed

## 1. Select your operating system and download the MongoDB Shell

Windows

Install from MSI

 Download mongosh (2.0.0) or  Copy download URL

Mongosh(2.0.0) lets you connect to MongoDB to work with your data and configure your database. 2.0.0 or greater is required to work with Atlas Stream Processing

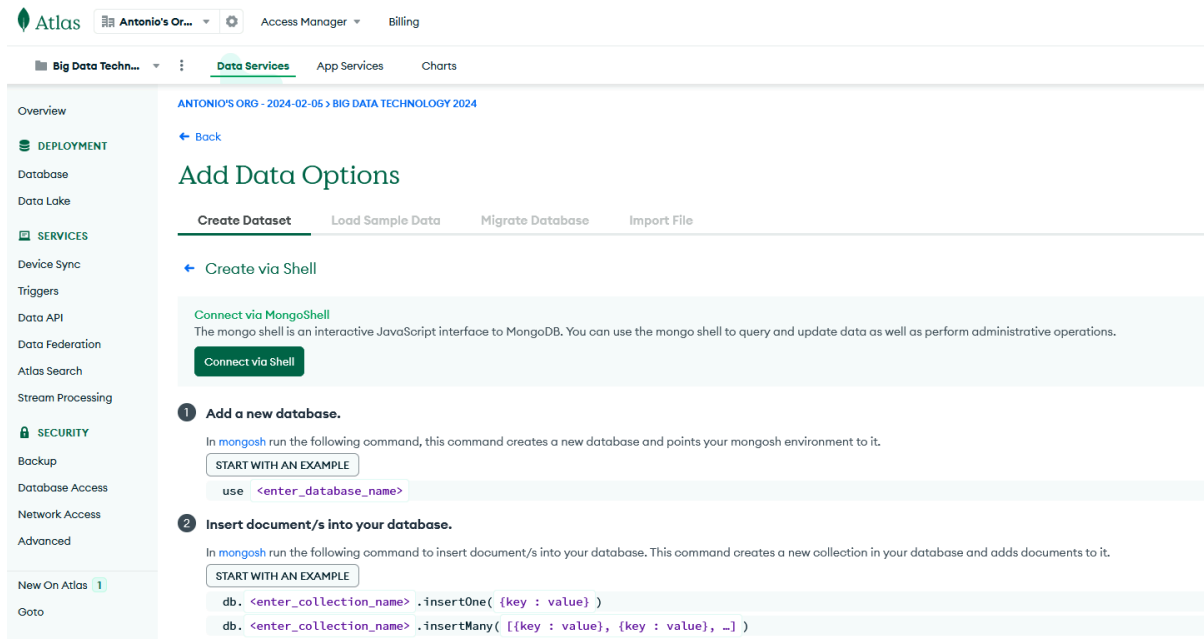
## 2. Run your connection string in your command line

Use this connection string in your application

```
mongosh "mongodb+srv://bigdatatechnologyicai.et6ildu.mongodb.net/" --apiVersion 1
--username big_data_technology_icai
```



You will be prompted for the password for the Database User, **big\_data\_technology\_icai**. When entering your password, make sure all special characters are [URL encoded](#).



Atlas Antonio's Or... Access Manager Billing

Big Data Techn... Data Services App Services Charts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Atlas Search

Stream Processing

SECURITY

Backup

Database Access

Network Access

Advanced

New On Atlas 1

Goto

ANTONIO'S ORG - 2024-02-05 > BIG DATA TECHNOLOGY 2024

Back

## Add Data Options

Create Dataset Load Sample Data Migrate Database Import File

Create via Shell

Connect via MongoDBShell

The mongo shell is an interactive JavaScript interface to MongoDB. You can use the mongo shell to query and update data as well as perform administrative operations.

Connect via Shell

1 Add a new database.

In **mongosh** run the following command, this command creates a new database and points your mongosh environment to it.

START WITH AN EXAMPLE

```
use <enter_database_name>
```

2 Insert document/s into your database.

In **mongosh** run the following command to insert document/s into your database. This command creates a new collection in your database and adds documents to it.

START WITH AN EXAMPLE

```
db. <enter_collection_name> .insertOne( {key : value} )
db. <enter_collection_name> .insertMany( [{key : value}, {key : value}, ...] )
```