

Unidad N4

Base de datos NoSQL

Base de Datos Aplicada



Universidad Nacional
de La Matanza

Profesores

- **Jefe de Cátedra:** Jaír Hnatiuk
- **Profesores a cargo de los cursos:**
Ing. Diego Arias

Mongo DB

Descarga de la herramienta Mongo DB

- Descargar el archivo mongodb-compass-1.39.1-win32-x64.exe y ejecutarlo

MongoDB Compass Download (GUI)

Easily explore and manipulate your database with Compass, the GUI for MongoDB. Intuitive and flexible, Compass provides detailed schema visualizations, real-time performance metrics, sophisticated querying abilities, and much more.

Please note that MongoDB Compass comes in three versions: a **full version** with all features, a **read-only version** without write or delete capabilities, and an **isolated edition**, whose sole network connection is to the MongoDB instance.

For more information, see our [documentation pages](#).

Compass

The full version of MongoDB Compass, with all features and capabilities.

Readonly Edition

This version is limited strictly to read operations, with all write and delete capabilities removed.

Isolated Edition

This version disables all network connections except the connection to the MongoDB instance.

Learn more

Version

1.39.1 (Stable)

Platform

Windows 64-bit (7+)

Package

exe

Download



Copy link

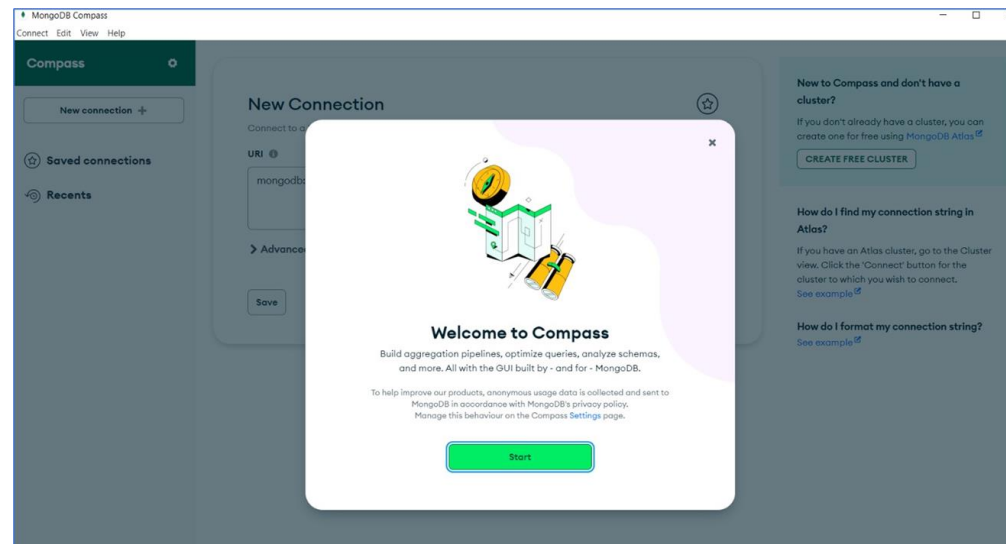
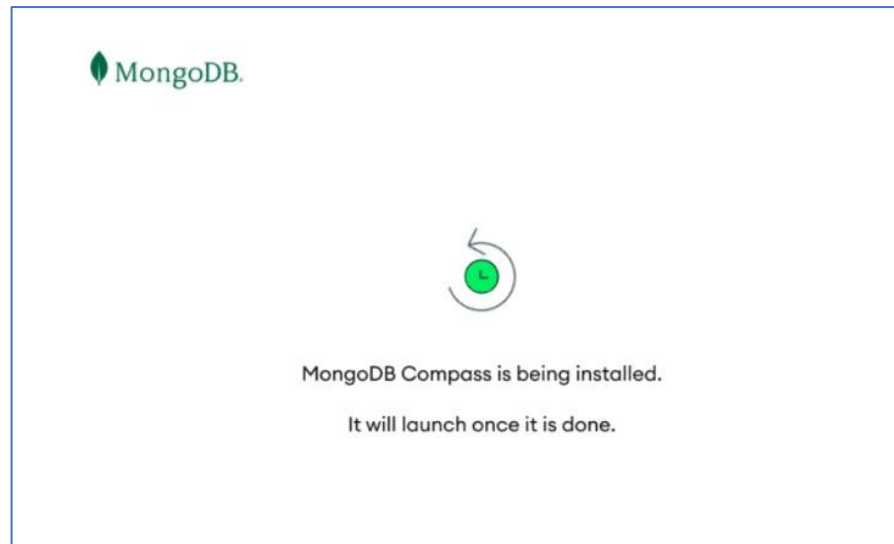
More Options



mongodb-compass-1.39.1-win32-x64.exe

Mongo DB

Instalación

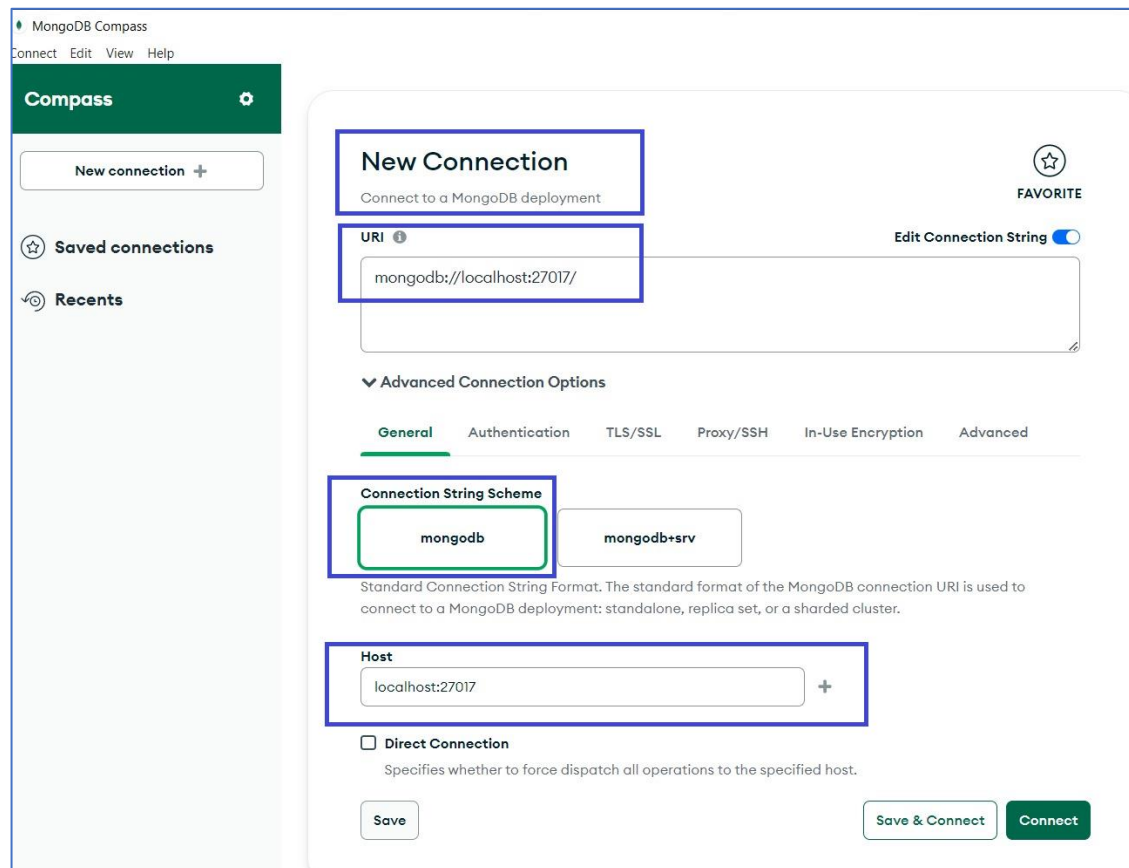


<https://www.mongodb.com/docs/compass/master/install/>

Mongo DB

Configuración BBDD Local

- Colocar el nombre que le queremos poner a la base de datos
- URI: mongodb://localhost:27017/
- Connection String Scheme: Seleccionar **mongodb**
- Host: localhost:27017
- Presionar el botón Connect



Mongo DB

Configuración BBDD On Cloud

- Seleccionar **mongodb+srv**
- **URI:**
 - mongodb+srv://vderosa:<password>
@cluster0.w6eulm7.mongodb.net
- Usuario: vderosa
- Password: pAVryCH21mUulO7m
- Click Connect

New Connection FAVORITE

Connect to a MongoDB deployment

URI ⓘ Edit Connection String ☒

mongodb+srv://localhost/

▼ Advanced Connection Options

General Authentication TLS/SSL Proxy/SSH In-Use Encryption Advanced

Connection String Scheme

mongodb mongodb+srv

DNS Seed List Connection Format. The +srv indicates to the client that the hostname that follows corresponds to a DNS SRV record.

Hostname

localhost

Save Save & Connect Connect

Mongo DB

Configuración BBDD On Cloud

MongoDB University FAVORITE

Connect to a MongoDB deployment

URI ⓘ Edit Connection String ☐

mongodb+srv://vderosa:*****@cluster0.w6eulm7.mongodb.net/

▼ Advanced Connection Options

General **Authentication** TLS/SSL Proxy/SSH In-Use Encryption Advanced

Authentication Method

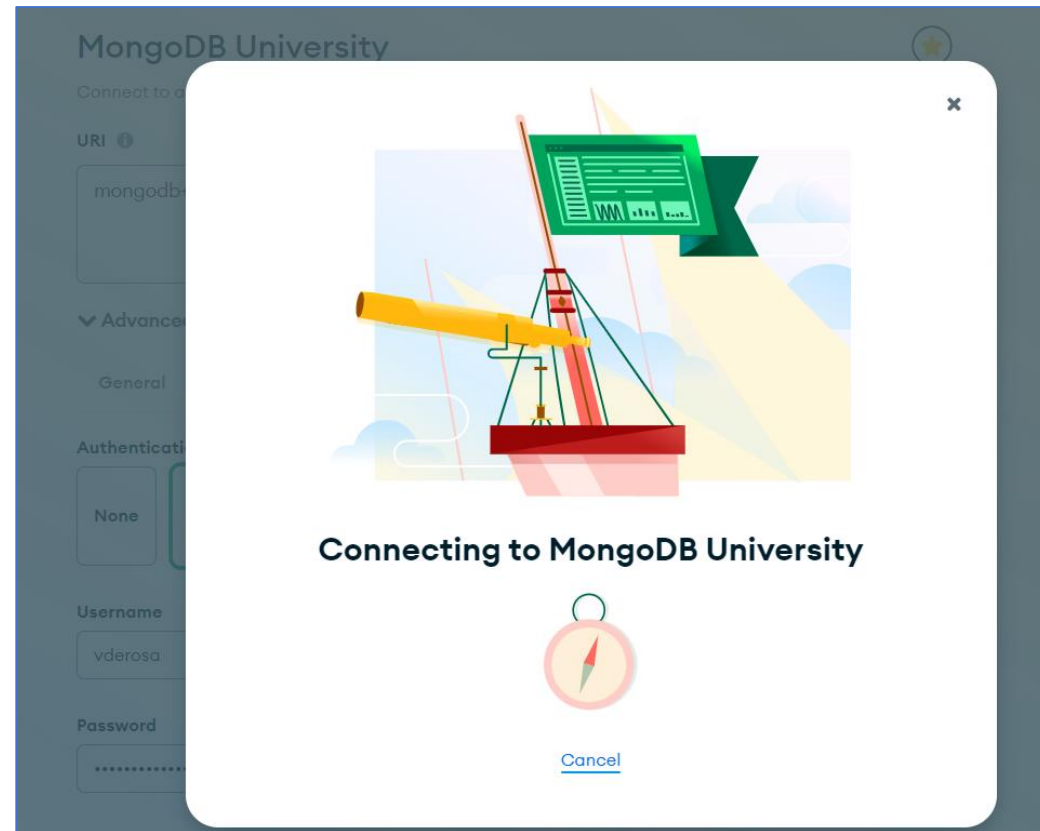
☐ None ☒ Username/Password ☐ OIDC (Preview) ☐ X.509 ☐ Kerberos ☐ LDAP ☐ AWS IAM

Username

vderosa

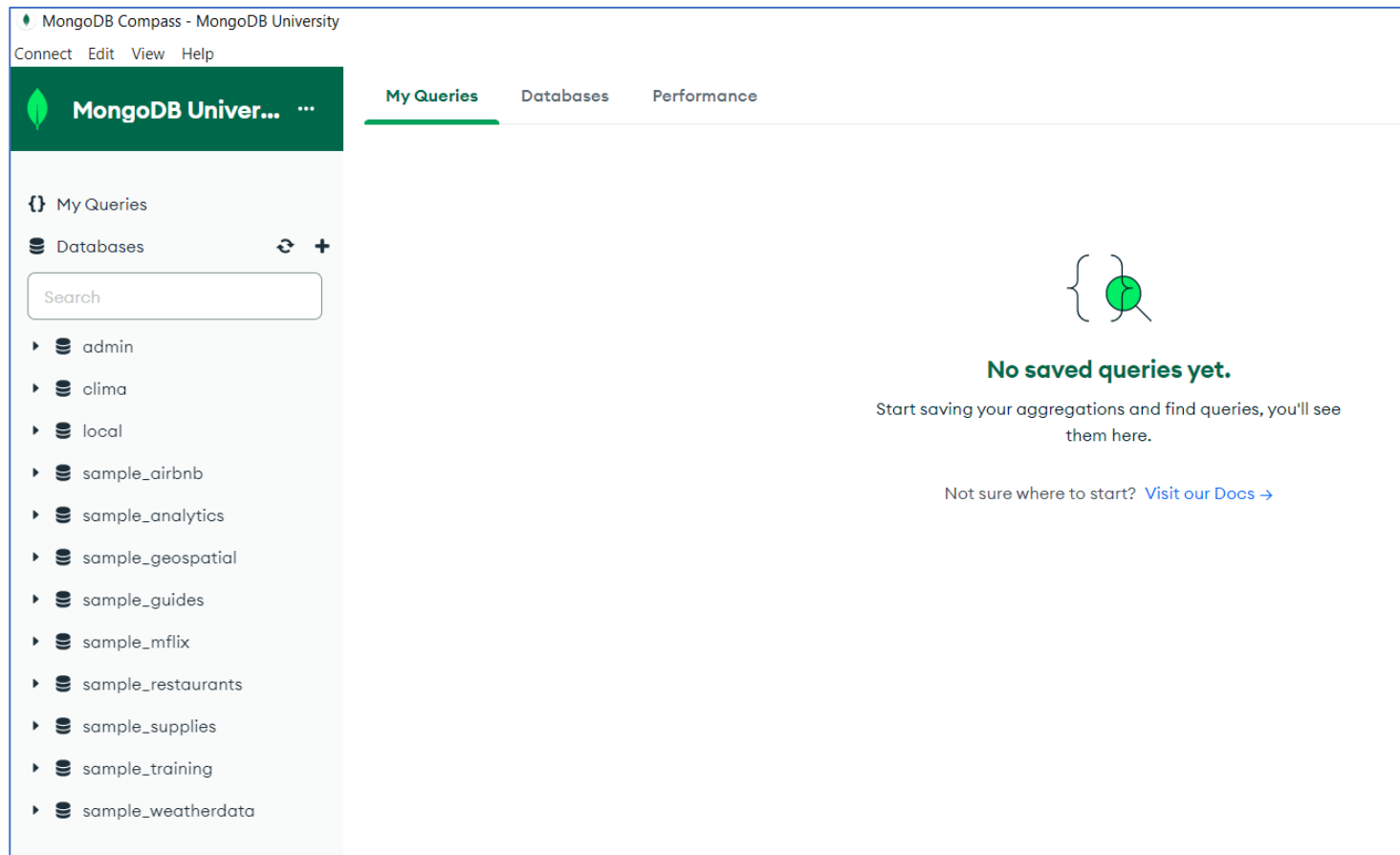
Password

.....



Mongo DB

Configuración BBDD On Cloud



Mongo DB

Descarga del servidor

- Ingresar a: <https://www.mongodb.com/try/download/community>
- Descargar el archivo msi

MongoDB Community Server Download

The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries, secondary indexing, and real-time aggregations to provide powerful ways to access and analyze your data.

The database is also offered as a fully-managed service with [MongoDB Atlas](#). Get access to advanced functionality such as auto-scaling, serverless instances, full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.


Give it a try with a [free, highly-available 512 MB cluster](#), or get started from your terminal with the following two commands:

```
$ brew install mongodb-atlas
$ atlas setup
```

Version
6.0.8 (current)

Platform
Windows x64

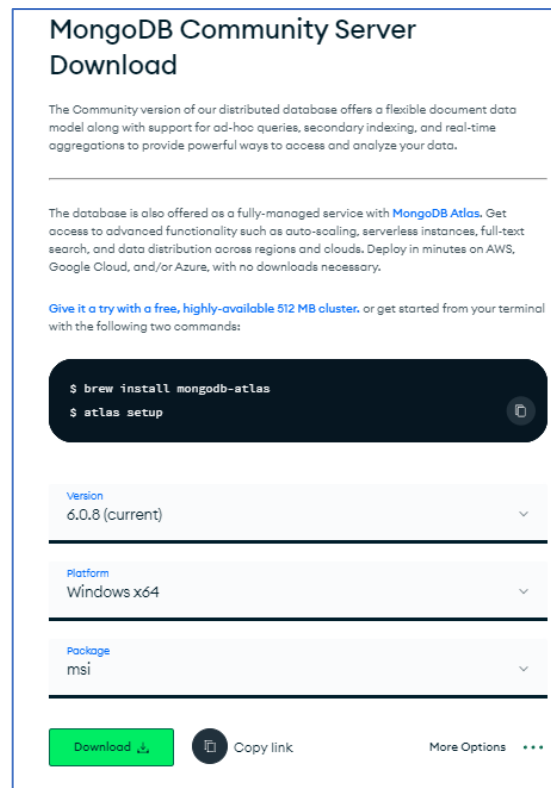
Package
msi

[Download](#)  [Copy link](#) [More Options](#) ...

Mongo DB

Descarga de MongoDB Community Server

- Ingresar a: <https://www.mongodb.com/try/download/community>
- Descargar el archivo msi
- Doble clic sobre el archivo y continuar la instalación



Mongo DB

MongoDB Community Server

- Una vez que hayas realizado la instalación, abre tu símbolo del sistema y escribe `mongod --version` para verificarlo. Si no obtienes la siguiente salida y en su lugar ves una cadena de errores, es posible que tengas que volver a instalarlo:

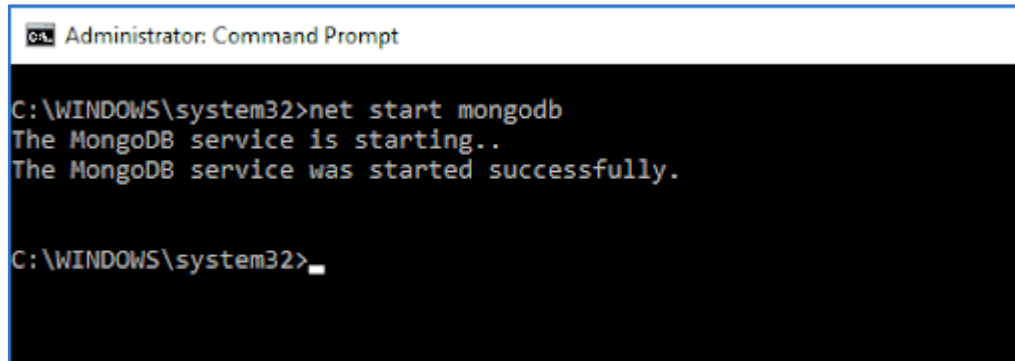
```
Command Prompt

C:\Users\user>
C:\Users\user>mongod --version
db version v3.4.9
git version: 876eb8c7dd0e2d992f36a848ff4dc50ee6603e
OpenSSL version: OpenSSL 1.0.1u-fips 22 Sep 2016
allocator: tcmalloc
modules: none
build environment:
  distmod: 2008plus-ssl
  distarch: x86_64
  target_arch: x86_64
```

Mongo DB

MongoDB Community Server

- Acceder al shell de MongoDB:
net start MongoDB

A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt". The window has a black background with white text. The text shows the command "net start mongodb" being entered at the prompt "C:\WINDOWS\system32>". The output of the command is displayed on the next two lines: "The MongoDB service is starting.." and "The MongoDB service was started successfully.". The prompt "C:\WINDOWS\system32>" is shown again on the next line, followed by a cursor.

```
C:\WINDOWS\system32>net start mongodb
The MongoDB service is starting..
The MongoDB service was started successfully.

C:\WINDOWS\system32>
```

Mongo DB

MongoDB Community Server

- El comando anterior ha inicializado el servidor MongoDB. Para ejecutarlo, tendremos que escribir mongo en el símbolo del sistema.
- Por defecto, al instalar MongoDB se crean las bases de datos admin, config y local.

```
C:\windows\system32>mongo
MongoDB shell version v4.4.1
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("2c3427b3-8da9-48c6-bca2-9ba01ea281e0") }
MongoDB server version: 4.4.1
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
  https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
  https://community.mongodb.com
---
The server generated these startup warnings when booting:
  2020-09-18T15:53:05.173+05:30: ***** SERVER RESTARTED *****
  2020-09-18T15:53:07.351+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
---
---
  Enable MongoDB's free cloud-based monitoring service, which will then receive and display
  metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you
  and anyone you share the URL with. MongoDB may use this information to make product
  improvements and to suggest MongoDB products and deployment options to you.

  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
>
```

¿Dudas?



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Muchas gracias



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