

Para comenzar con la instalación de mongo accederemos a la página oficial <https://www.mongodb.com/>, en el menú seleccionamos la opción de software y seleccionamos **community server**, también descargaremos **compass**.

The screenshot shows the MongoDB website's navigation bar with options like Cloud, Software, Learn, Solutions, and Docs. The Software menu is open, displaying several product offerings:

- Community Server**: A free and open document database.
- Enterprise Server**: Advanced features and security.
- Developer Tools**: Connect, configure and work with MongoDB.
- Compass**: GUI for MongoDB.
- Ops Manager**: On-prem management platform for MongoDB.
- Connectors**: Easy integrations to your data estate.

Procedemos a descargar ambos paquetes

The screenshot shows the MongoDB Community Server download page. It includes a sidebar with links to Current releases & packages, Development releases, Archived releases, Changelog, and Release Notes. The main content area displays the following information:

MongoDB Community Server

MongoDB offers both an Enterprise and Community version of its powerful distributed document database. MongoDB Enterprise is available as part of the MongoDB Enterprise Advanced subscription, which features the most comprehensive support and the best SLA when you run MongoDB on your own infrastructure. MongoDB Enterprise Advanced also gives you comprehensive operational tooling, advanced analytics and data visualization, platform integrations and certification, along with on-demand training for your teams.

**In-memory Storage Engine**: Deliver high throughput and predictable low latency.

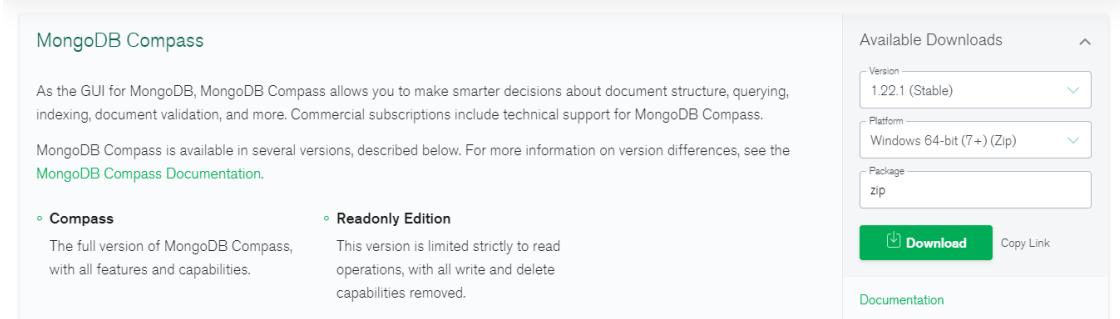
**Advanced Security**: Secure your data with LDAP and Kerberos access controls and comprehensive auditing.

**Encrypted Storage Engine**: Encrypt your data at rest.

Available Downloads

- Version: 4.4.1 (current)
- Platform: Windows
- Package: zip

**Download** Copy Link



MongoDB Compass

As the GUI for MongoDB, MongoDB Compass allows you to make smarter decisions about document structure, querying, indexing, document validation, and more. Commercial subscriptions include technical support for MongoDB Compass.

MongoDB Compass is available in several versions, described below. For more information on version differences, see the [MongoDB Compass Documentation](#).

Compass      Readonly Edition

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

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

Available Downloads

Version: 1.22.1 (Stable)

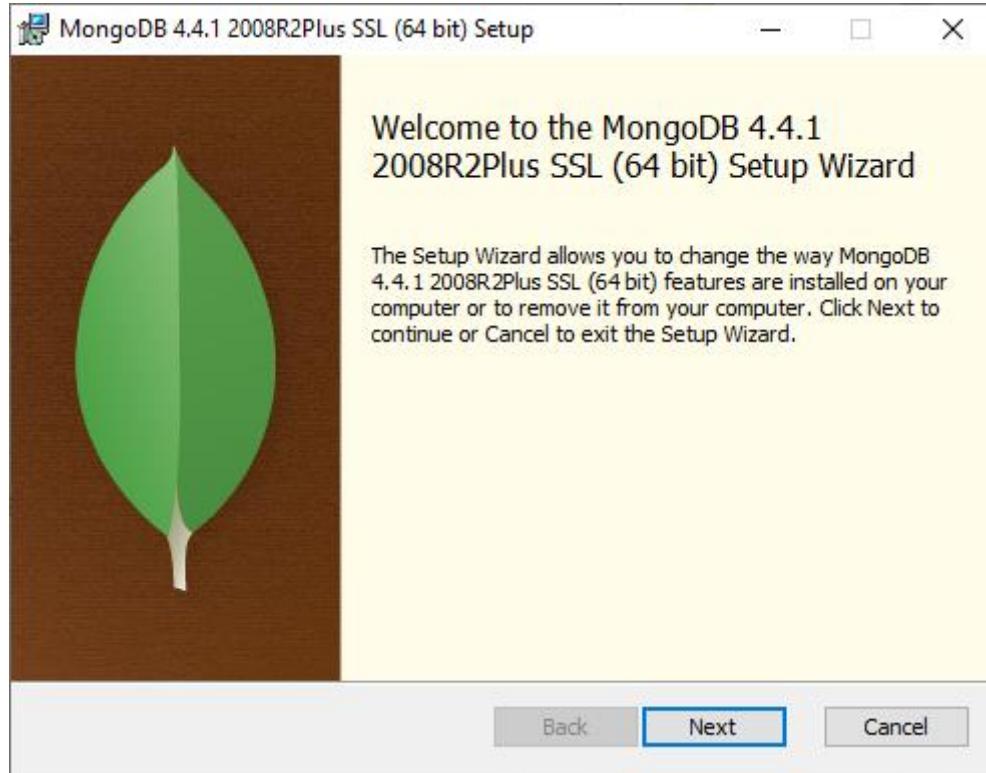
Platform: Windows 64-bit (7+) (Zip)

Package: zip

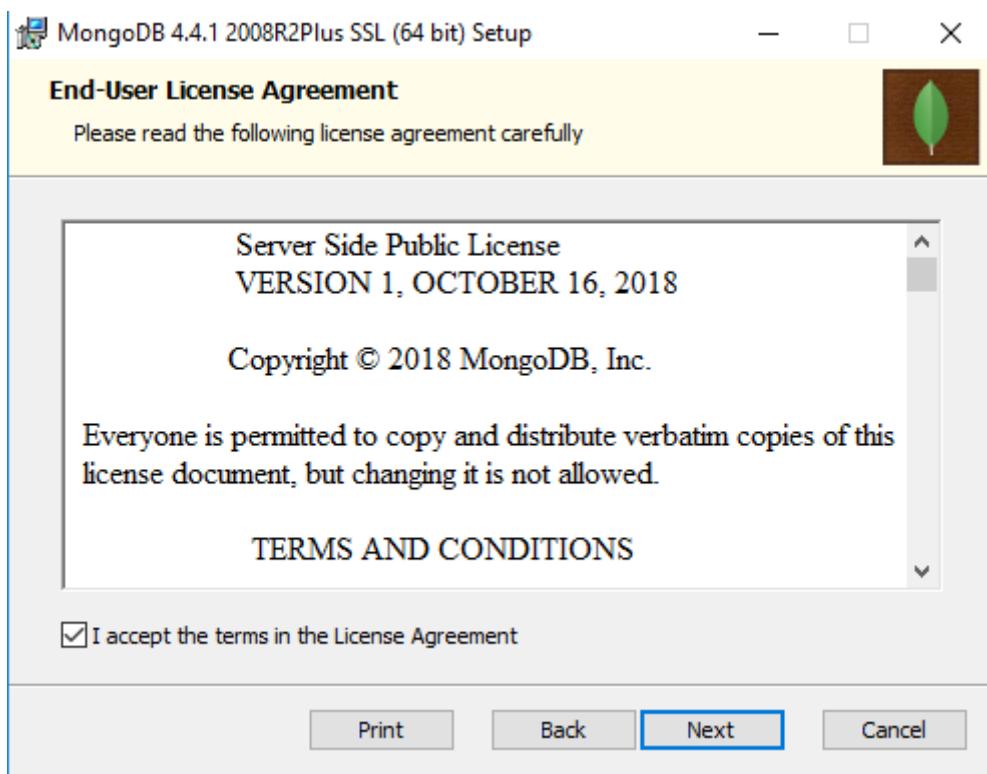
**Download**      Copy Link

Documentation

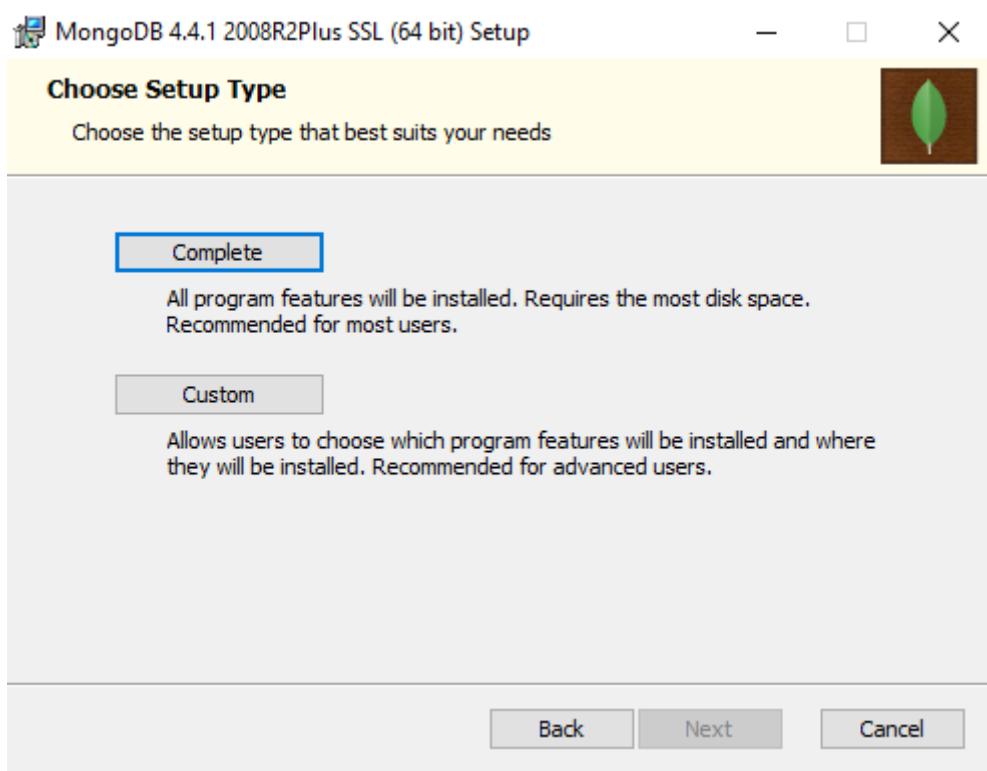
Ahora procederemos con la instalación de MongoDB.

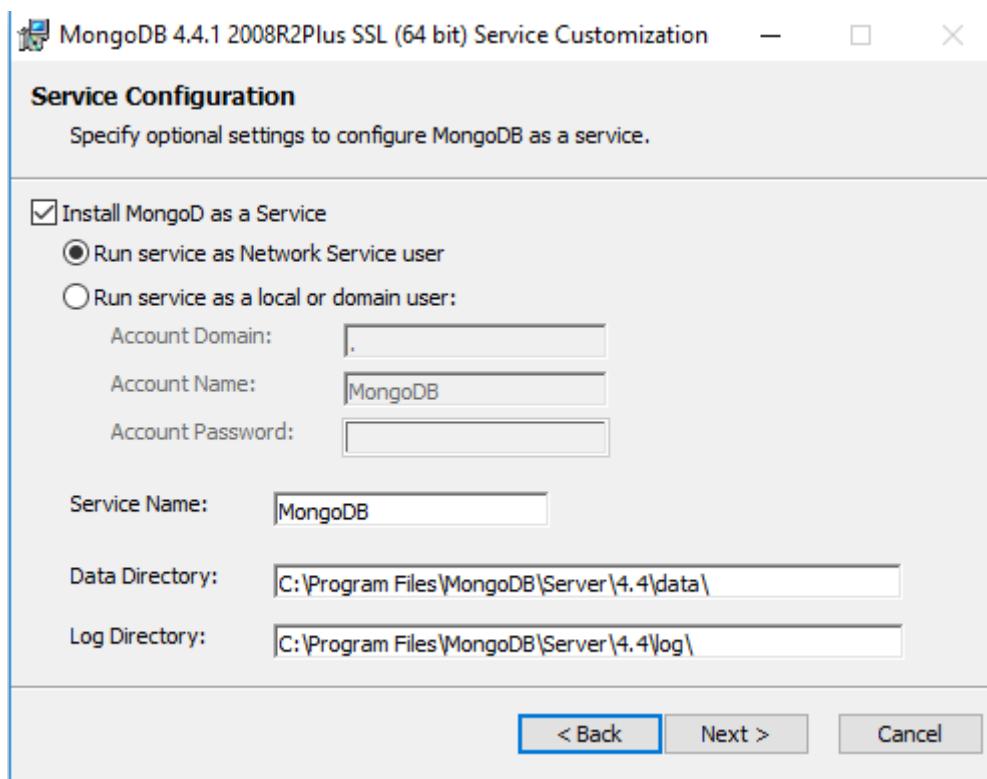


Aceptamos los términos y vamos dandole a siguiente

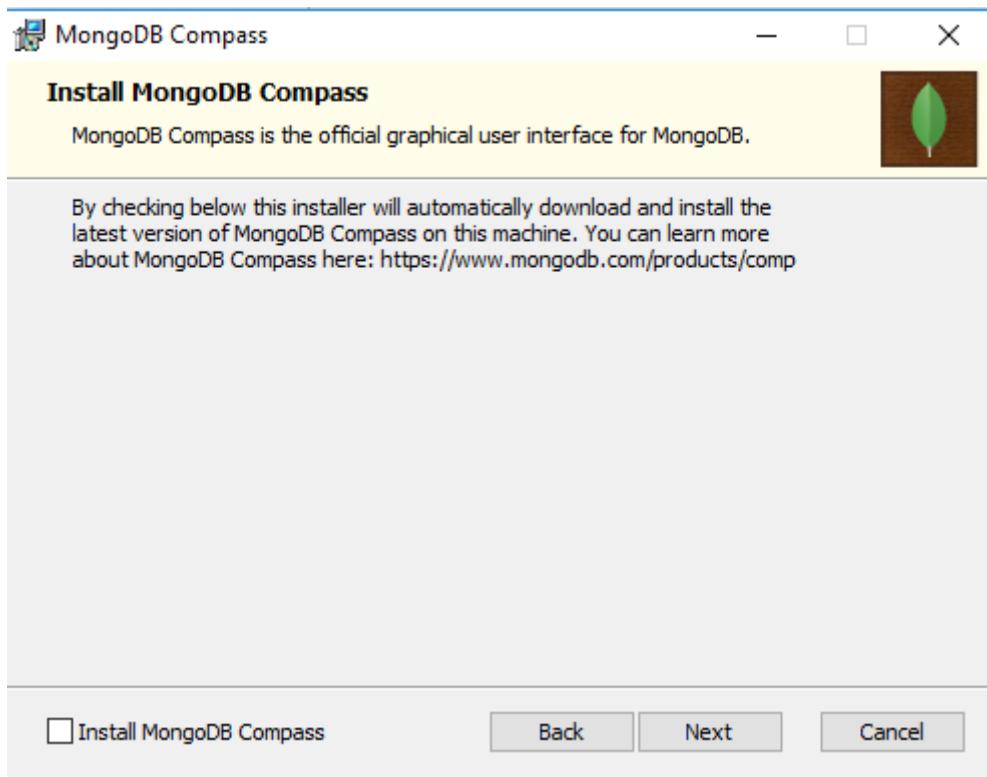


Seleccionamos la opción de instalacion completa

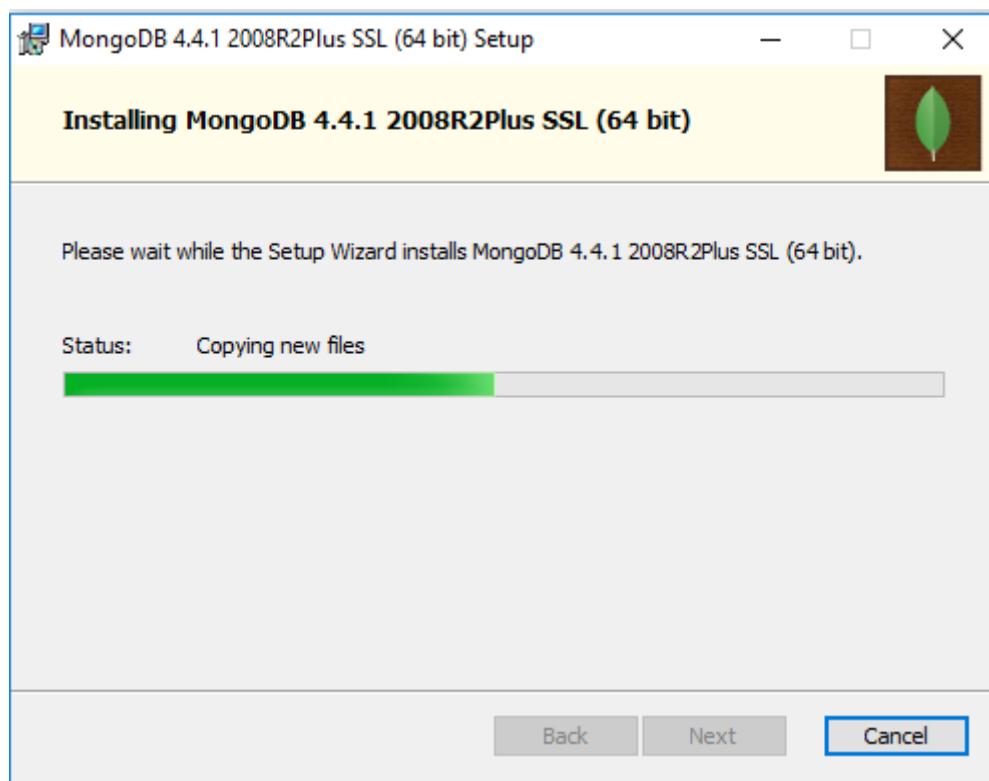
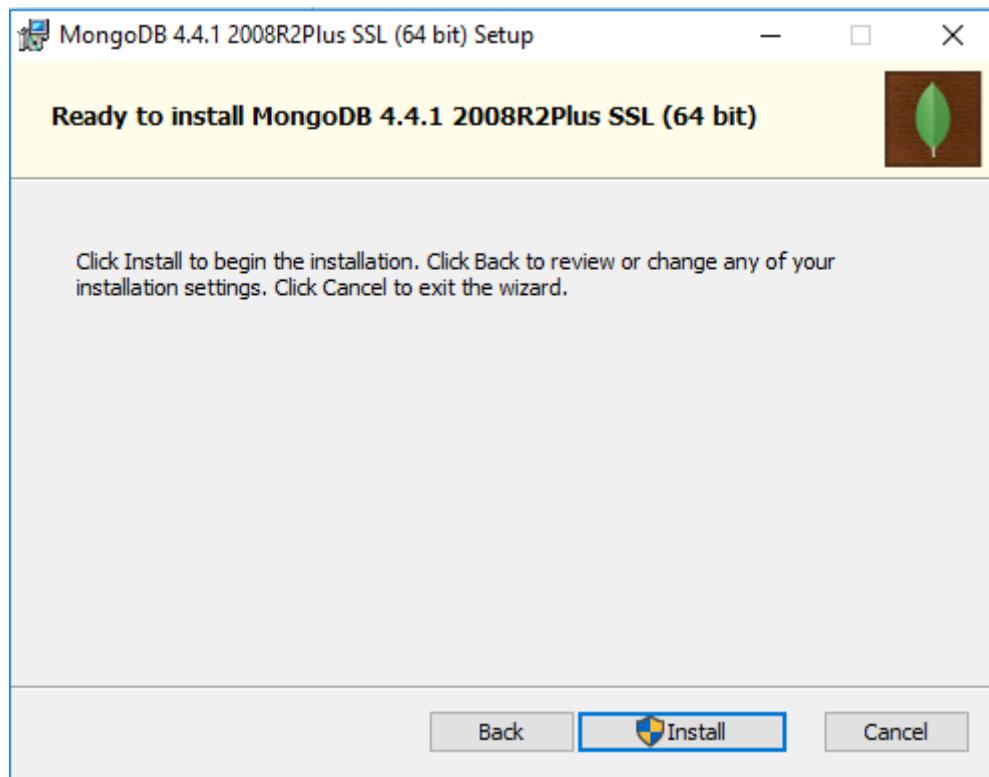




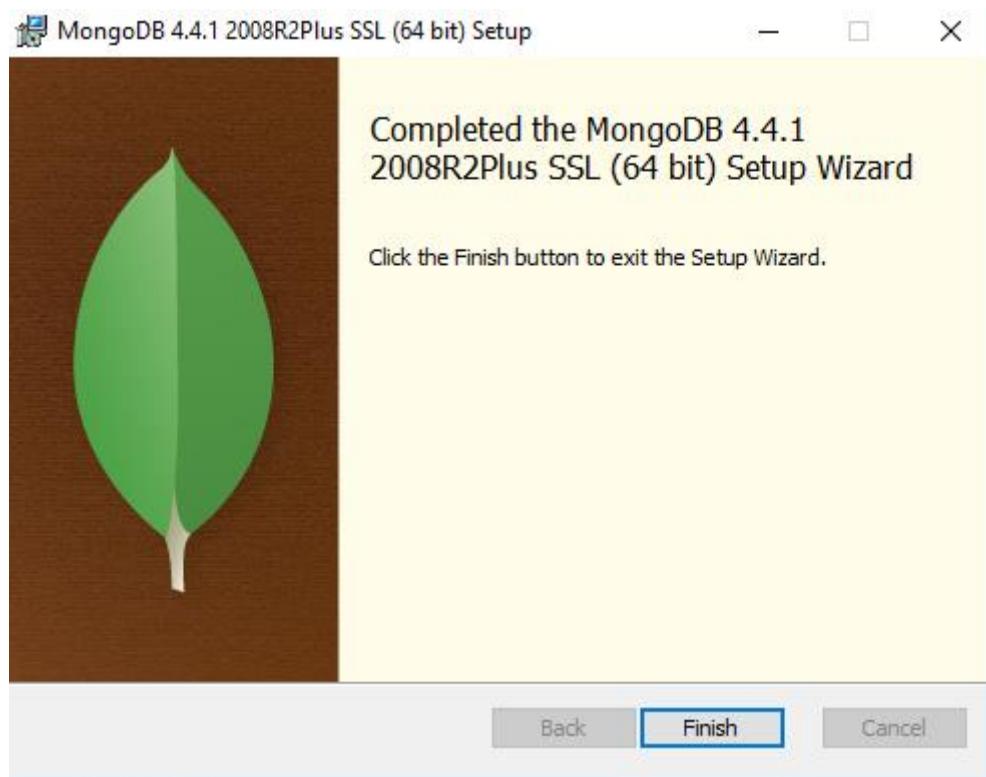
Desmarcamos la opción de descargar Compass, lo instalaremos posteriormente



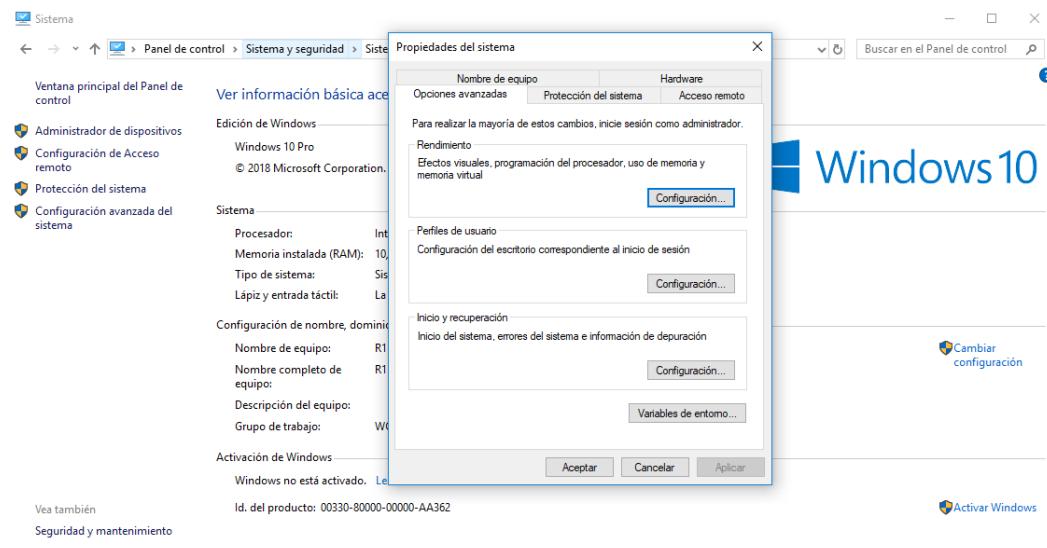
Y finalmente le damos a instalar



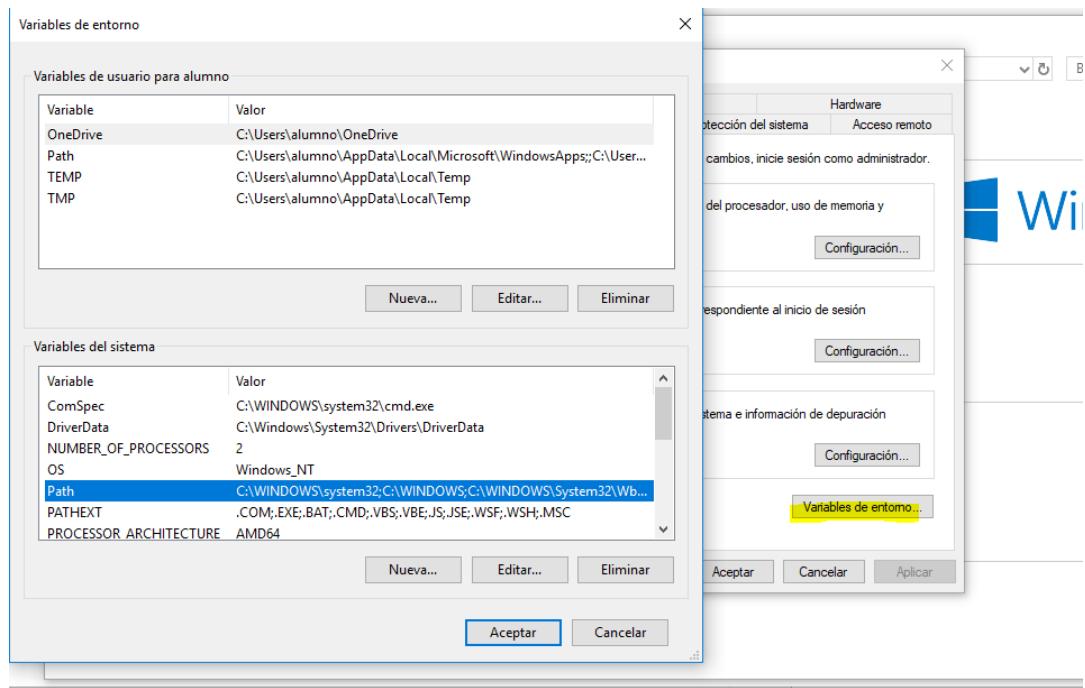
Ya tenemos mongo instalado.



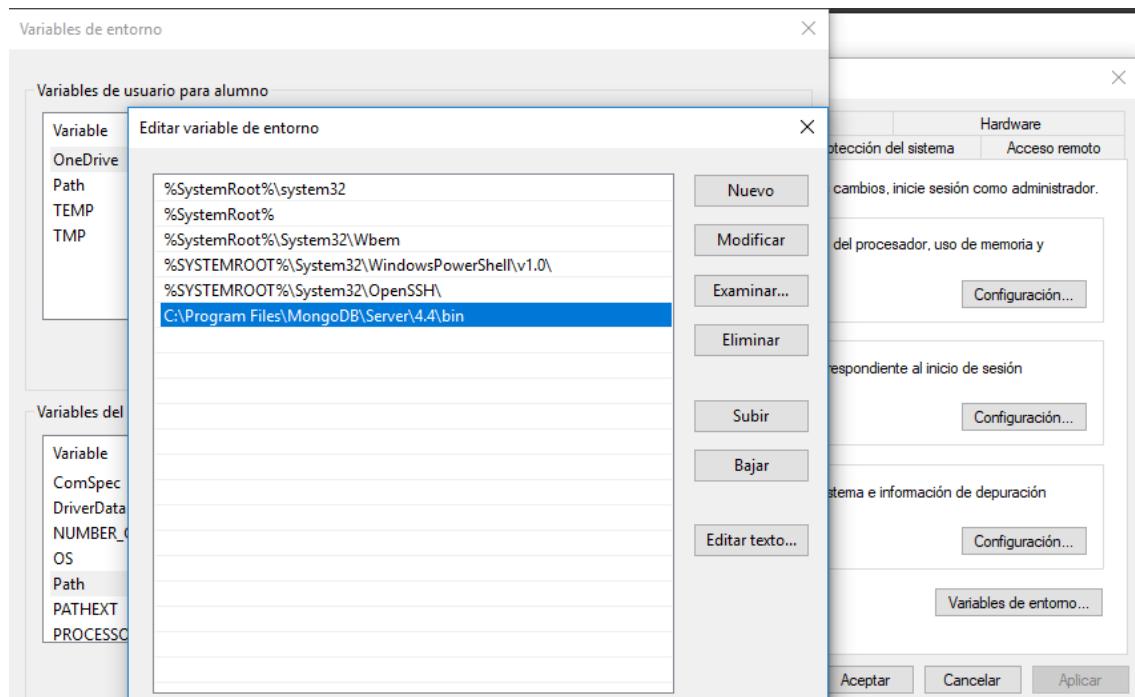
Una vez hemos procedido con la instalación nos vamos a equipo → propiedades → configuración avanzada del sistema → variables del entorno.



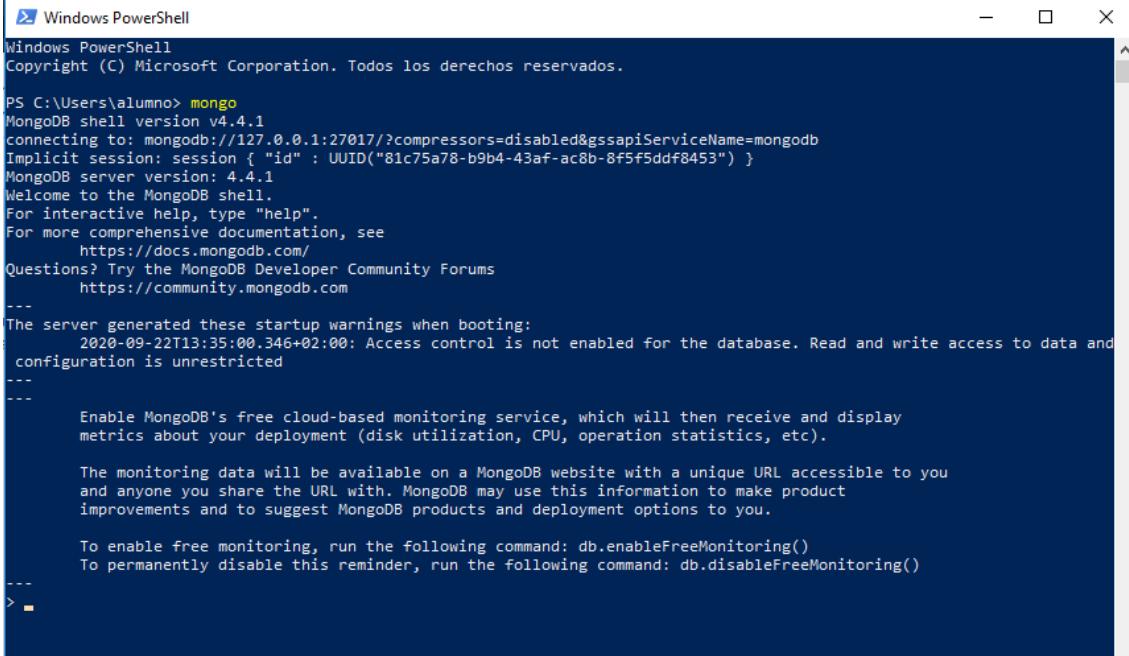
A continuación seleccionamos el **Path** y le damos a editar.



Le damos a nuevo y añadimos la ruta de instalación de mongo, le damos a aceptar.



A continuación comprobaremos desde la powershell si está correctamente instalado.



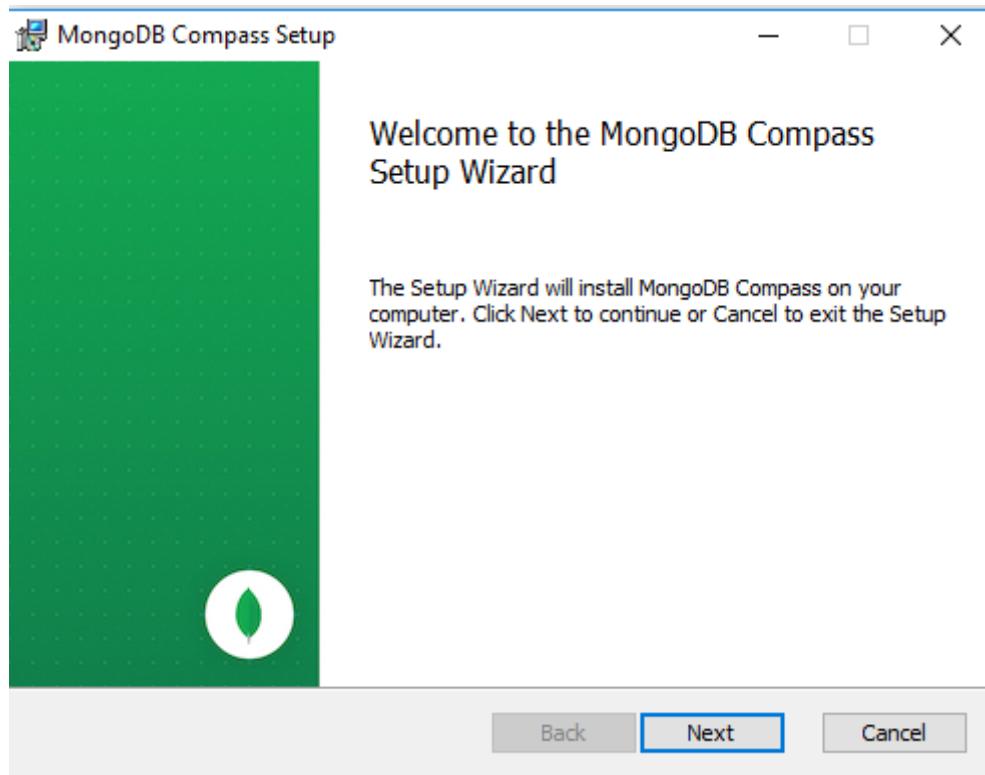
```
Windows PowerShell
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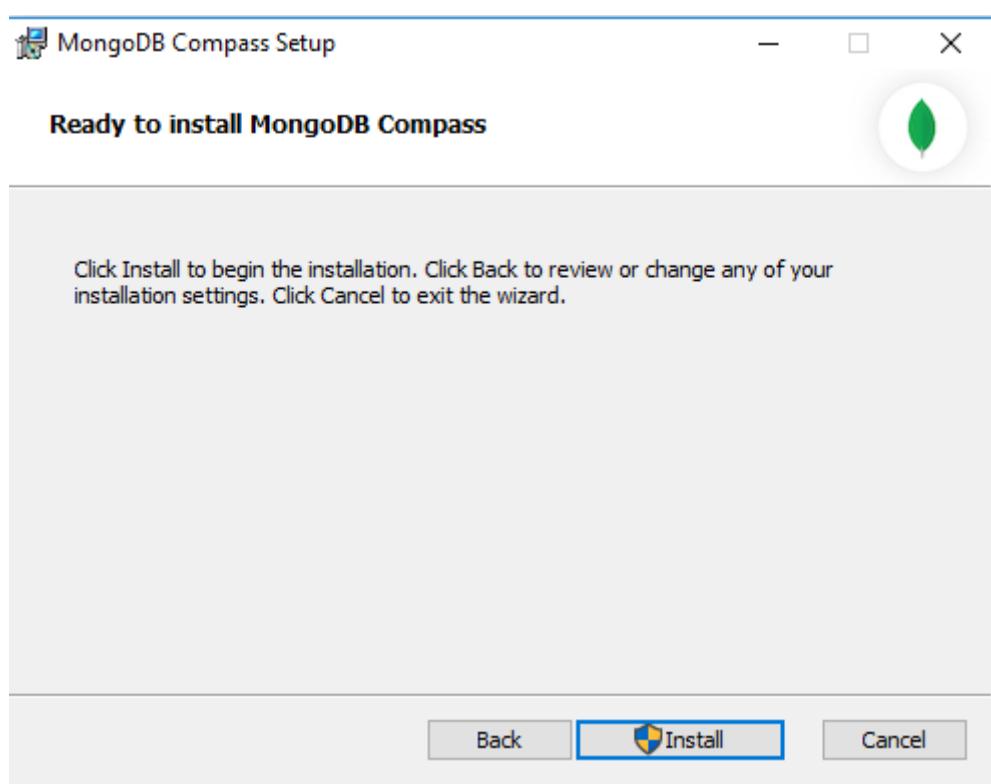
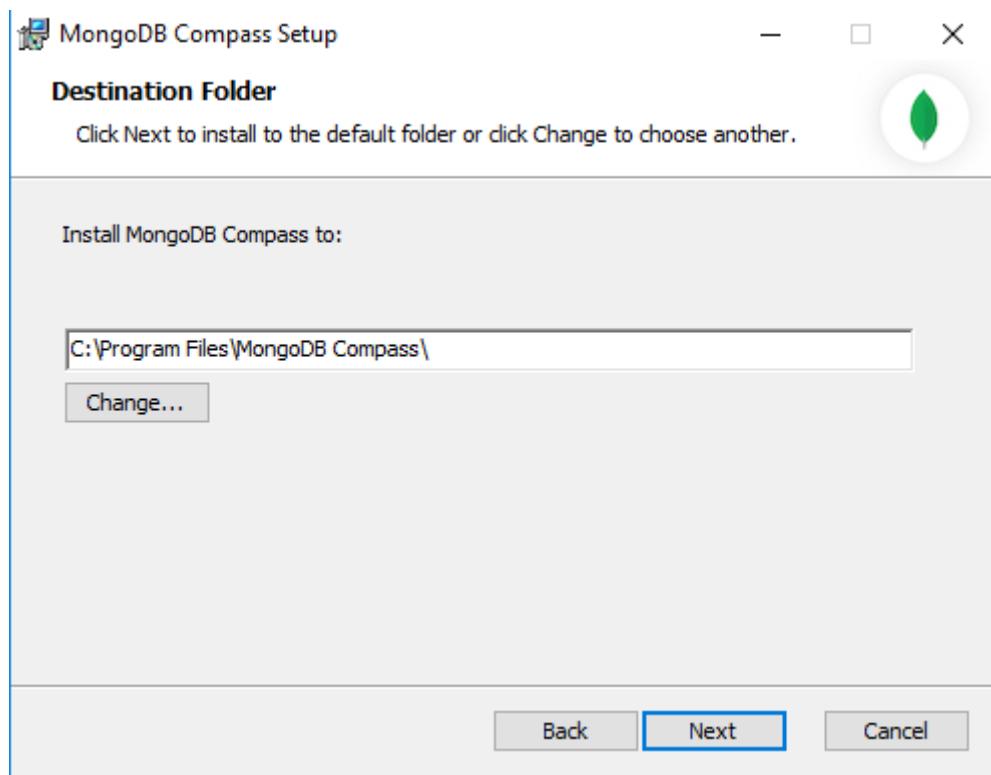
PS C:\Users\alumno> mongo
MongoDB shell version v4.4.1
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("81c75a78-b9b4-43af-ac8b-8f5f5ddf8453") }
MongoDB server version: 4.4.1
Welcome to the MongoDB shell.
For interactive 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:
2020-09-22T13:35:00.346+02:00: 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).

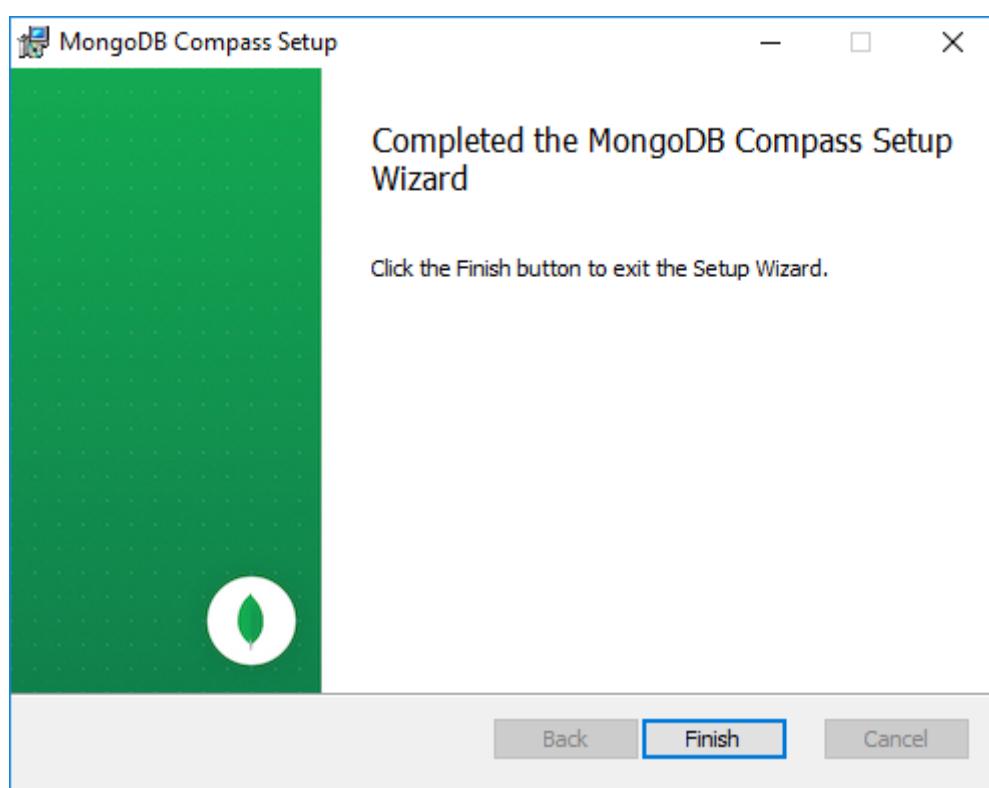
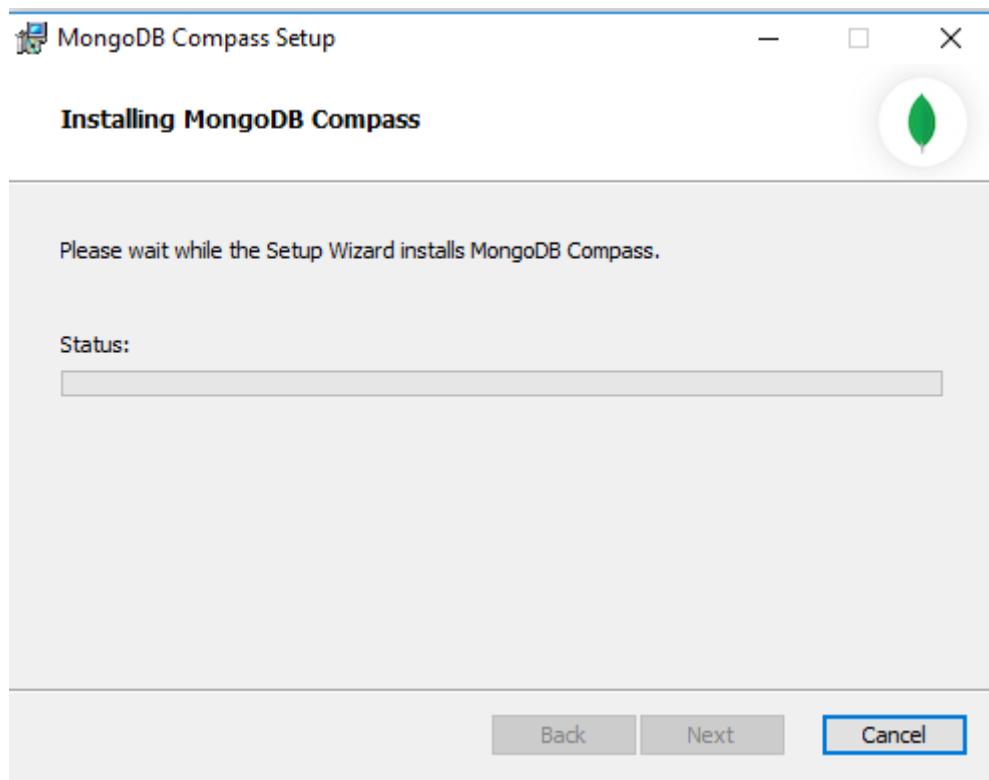
The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

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

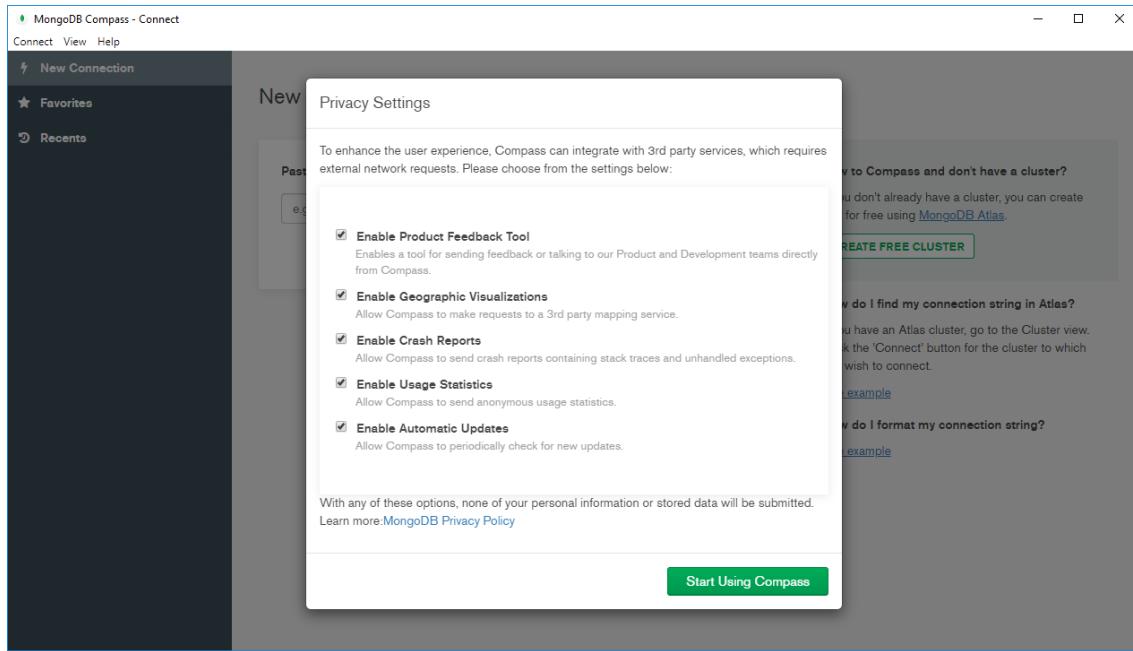
Ahora procederemos con la instalación de Compass



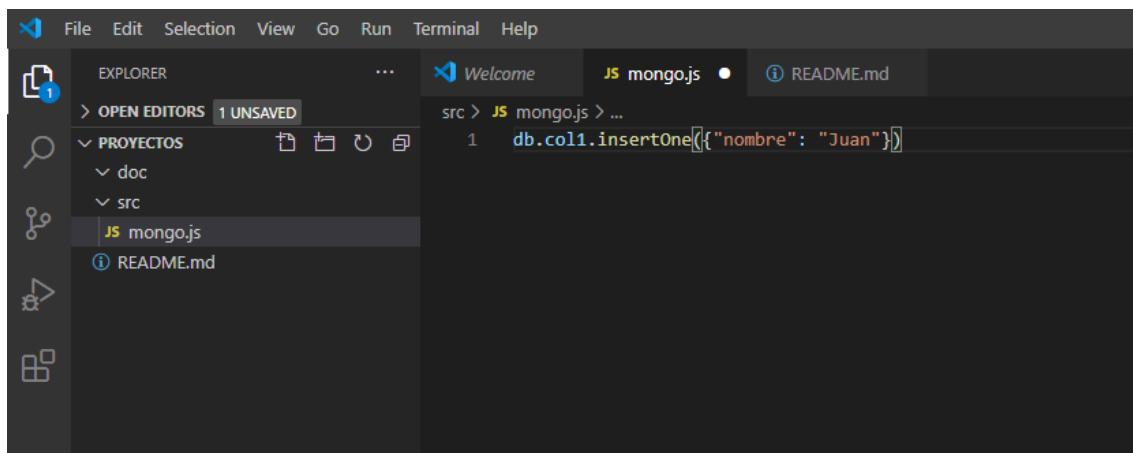




Ya tenemos instalado compass



Ahora arrastramos la carpeta a Visual Studio y escribiremos una línea de ejemplo y la añadiremos a una nueva base de datos



Nos posicionamos sobre el directorio **src** de nuestra carpeta del proyecto

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\bth\Documents\Proyectos> dir

Directorio: C:\Users\bth\Documents\Proyectos

Mode LastWriteTime Length Name
---- ----- ----- 
d----- 06/10/2020   16:55 doc
d----- 06/10/2020   16:55 src
-a---- 06/10/2020   16:56    0 README.md

PS C:\Users\bth\Documents\Proyectos> cd src
PS C:\Users\bth\Documents\Proyectos\src>

```

Ahora usaremos el comando **use g1bd01** para añadir una nueva base de datos y **load("mongo.js")** para cargar el documento en la base de datos

```

To permanently disable this reminder, run the following command: db.disableFreeMonitoring
---
> use g1bd01
switched to db g1bd01
> load("mongo.js")
true
>

```

Vamos a Compass y comprobamos que se ha creado la nueva base de datos

The screenshot shows the MongoDB Compass interface. On the left, the sidebar displays 'Local' with '3 DBS' and '1 COLLECTIONS'. The 'g1db01' database is selected. The main area shows the 'g1db01.col1' collection with the following document:

```

_id: ObjectId("5f7c92d9f990176fbb2f4f4e")
nombre: "Juan"

```

A continuación vamos a subirlo todo Github

Para ello, en la consola de Visual Studio Code, ejecutaremos lo siguiente:

The screenshot shows the Visual Studio Code interface. On the left, a GitHub login dialog is open, prompting for 'Username or email' and 'Password'. Below it are 'Login' and 'Cancel' buttons, along with links for 'Don't have an account? Sign up' and 'Forgot your password?'. On the right, a terminal window is open with the following command history:

```

Windows PowerShell
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Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\Users\bth\Documents\201006Practicamongo> git init
Reinitialized existing Git repository in C:/Users/bth/Documents/201006Practicamongo/.git/
PS C:\Users\bth\Documents\201006Practicamongo> git add .
PS C:\Users\bth\Documents\201006Practicamongo> git push -u origin master

```

Y en github podemos ver como se ha subido

The screenshot shows a GitHub repository page for 'donoromurilloana / 201006Practicamongo'. The repository has 1 branch and 0 tags. The commit history shows a single commit from 'donoromurilloana' titled 'primer commit' made 2 hours ago. The commit details show files 'src' and 'README.md' were added. The 'Code' tab is selected.

File	Commit Message	Time
src	primer commit	2 hours ago
README.md	primer commit	2 hours ago

Manual Mongo: <https://docs.mongodb.com/manual/>