

Construcción de software y toma de decisiones

TC2005B

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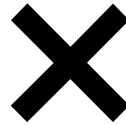


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Agenda

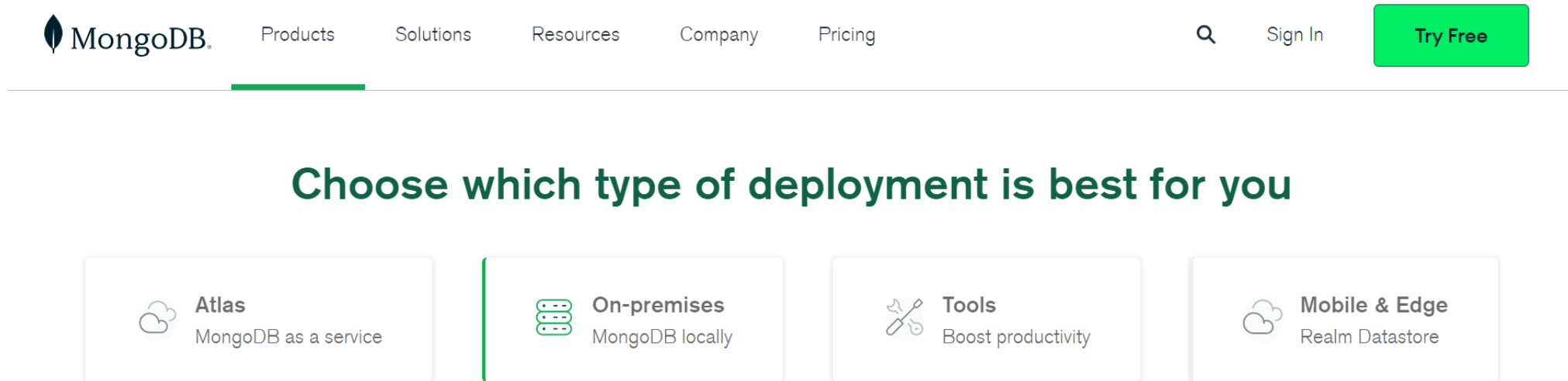
- Instalación de MongoDB en Windows 10
- Instalación de MongoDB para Mac-OSX

Instalación de MongoDB en Windows 10



Instalación de SQL-Server en Windows 10

1. Diríjase a la pagina de “MongoDB Download” <https://www.mongodb.com/try/download/community> con su navegador favorito ([Chrome](#) de preferencia).



Download MongoDB Community Server

Instalación de SQL-Server en Windows 10

2. Seleccione la opción de “MongoDB Community Server” y descargue (“Download”) la opción del paquete mas nuevo.

MongoDB Community Server 1

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 (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

Available Downloads

Version


5.0.8 (current) ✓

Platform


Windows ✓


Package

msi ✓

 **Download**

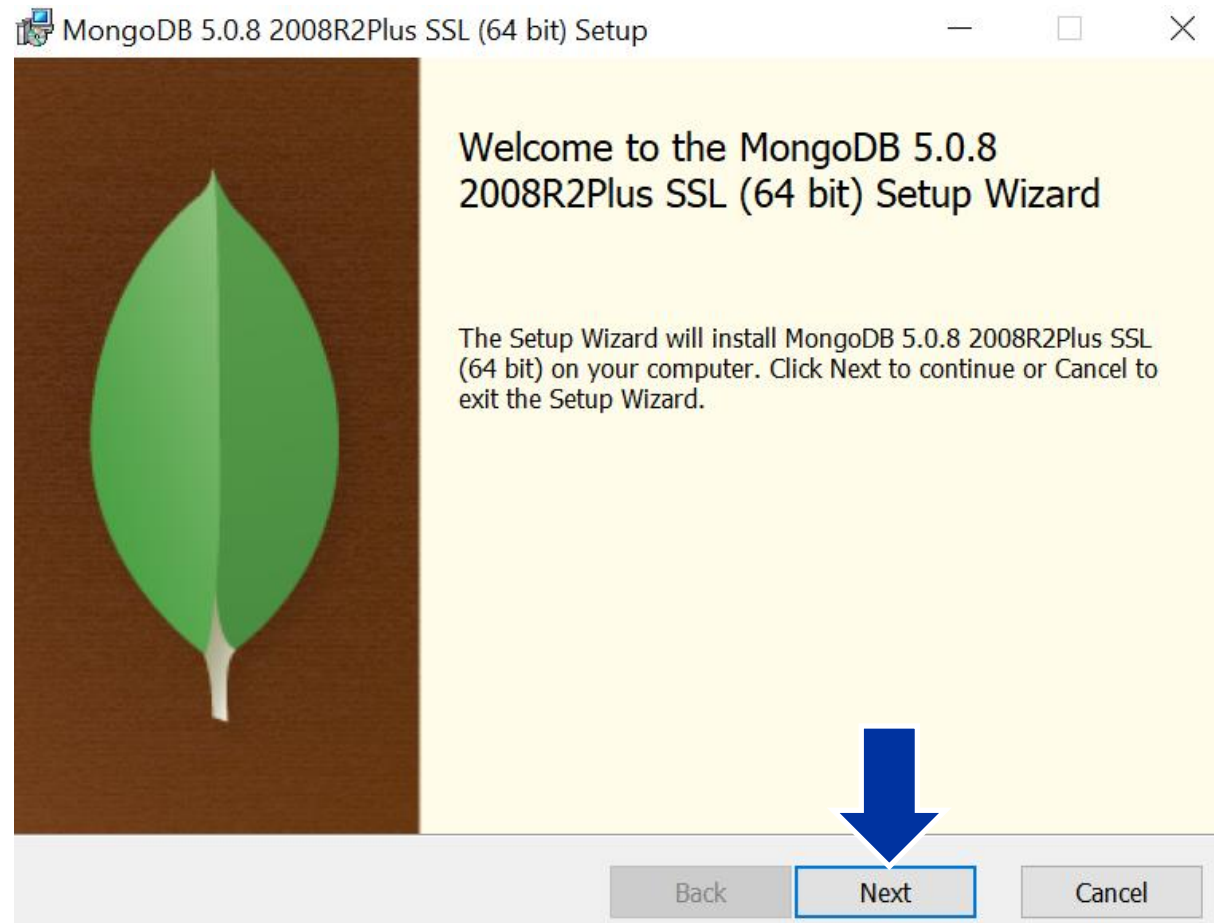
Copy Link



2 

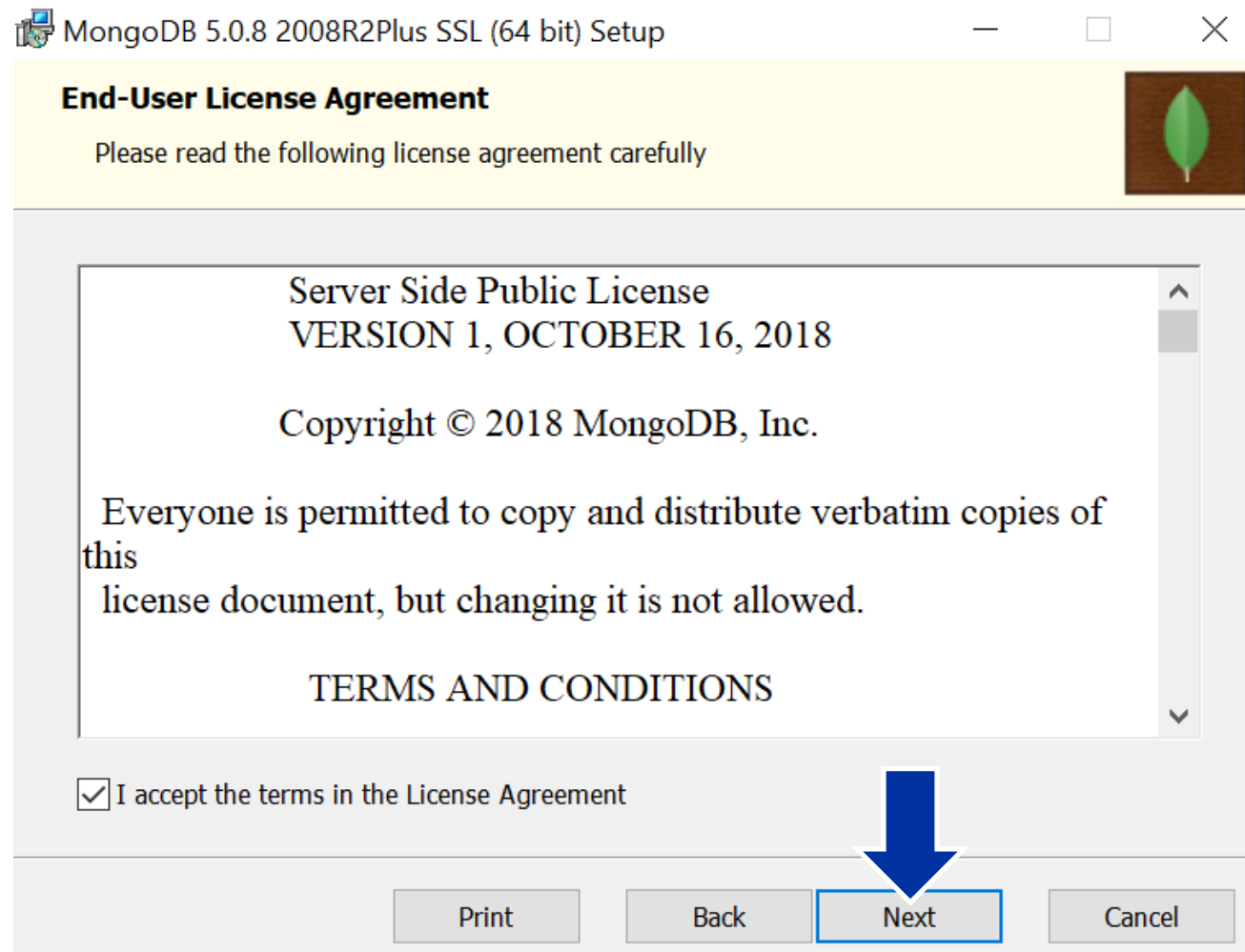
Instalación de SQL-Server en Windows 10

3. En la carpeta de descarga de doble clic al archivo de instalación de MongoDB. Como siguiente paso seleccione la opción “Next”.



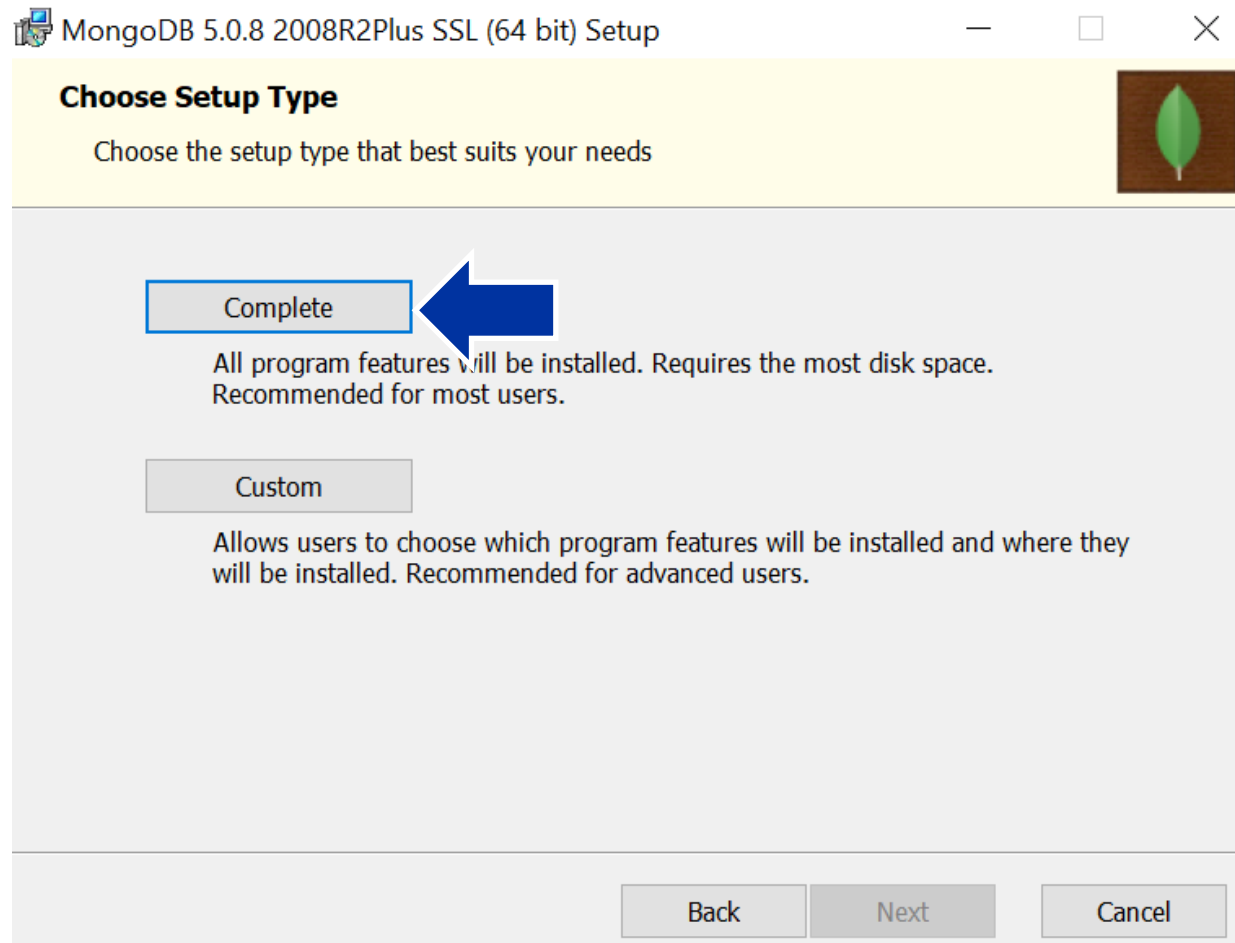
Instalación de SQL-Server en Windows 10

4. Acepte la licencia de uso y seleccione la opción “Next”.



Instalación de SQL-Server en Windows 10

5. Seleccione la opción “Complete” para una instalación integra del sistema.



Instalación de SQL-Server en Windows 10

6. Deseleccione la opción “Install MongoDB as a Service” para que la aplicación no se este ejecutando en modo servidor, lo cual significa que siempre estaría activo. De este manera solo se activara el servicio cuando lo necesitemos. Paso siguiente, seleccione la opción “Next”.

MongoDB 5.0.8 2008R2Plus SSL (64 bit) Service Customization

Service Configuration
Specify optional settings to configure MongoDB as a service.

☐ Install MongoDB as a Service **1**

☒ Run service as Network Service user

☐ Run service as a local or domain user:

Account Domain: .

Account Name: MongoDB

Account Password:

Service Name: MongoDB

Data Directory: C:\Program Files\MongoDB\Server\5.0\data\

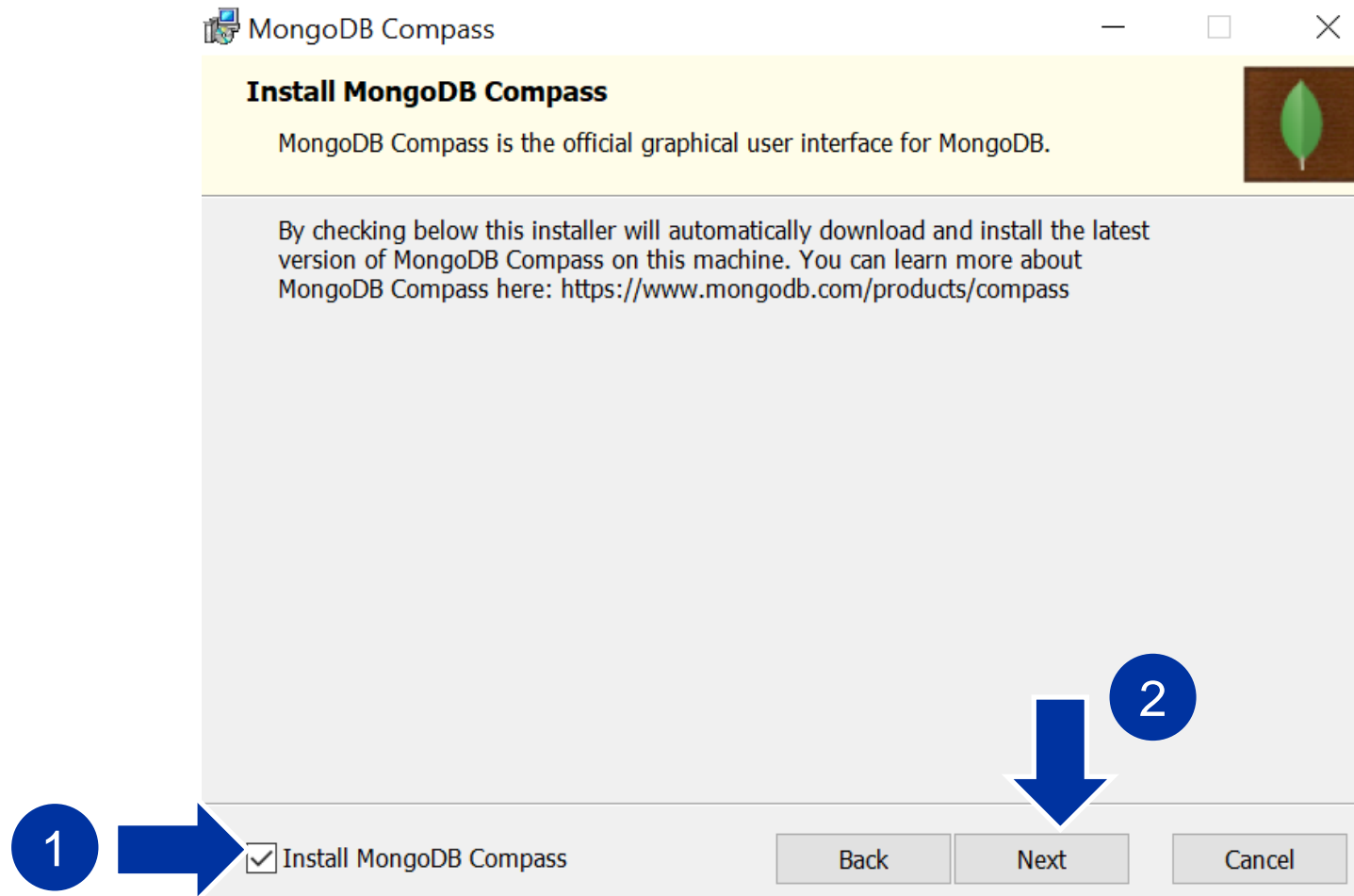
Log Directory: C:\Program Files\MongoDB\Server\5.0\log\

2

< Back Next > Cancel

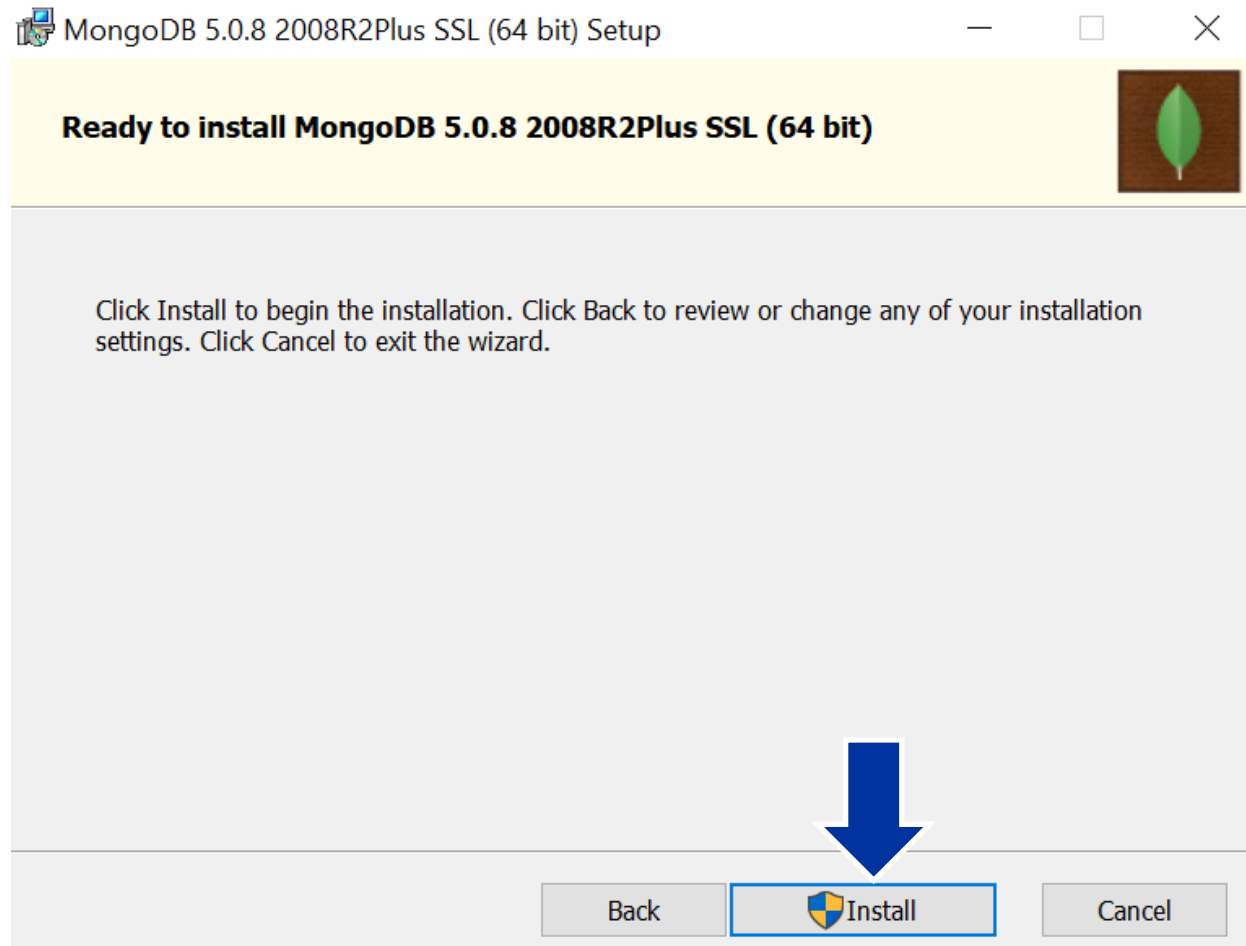
Instalación de SQL-Server en Windows 10

7. Seleccione la opción “Install MongoDB Compass”, la cual instalara el cliente grafico de la base de datos. Después seleccione la opción “Next”.



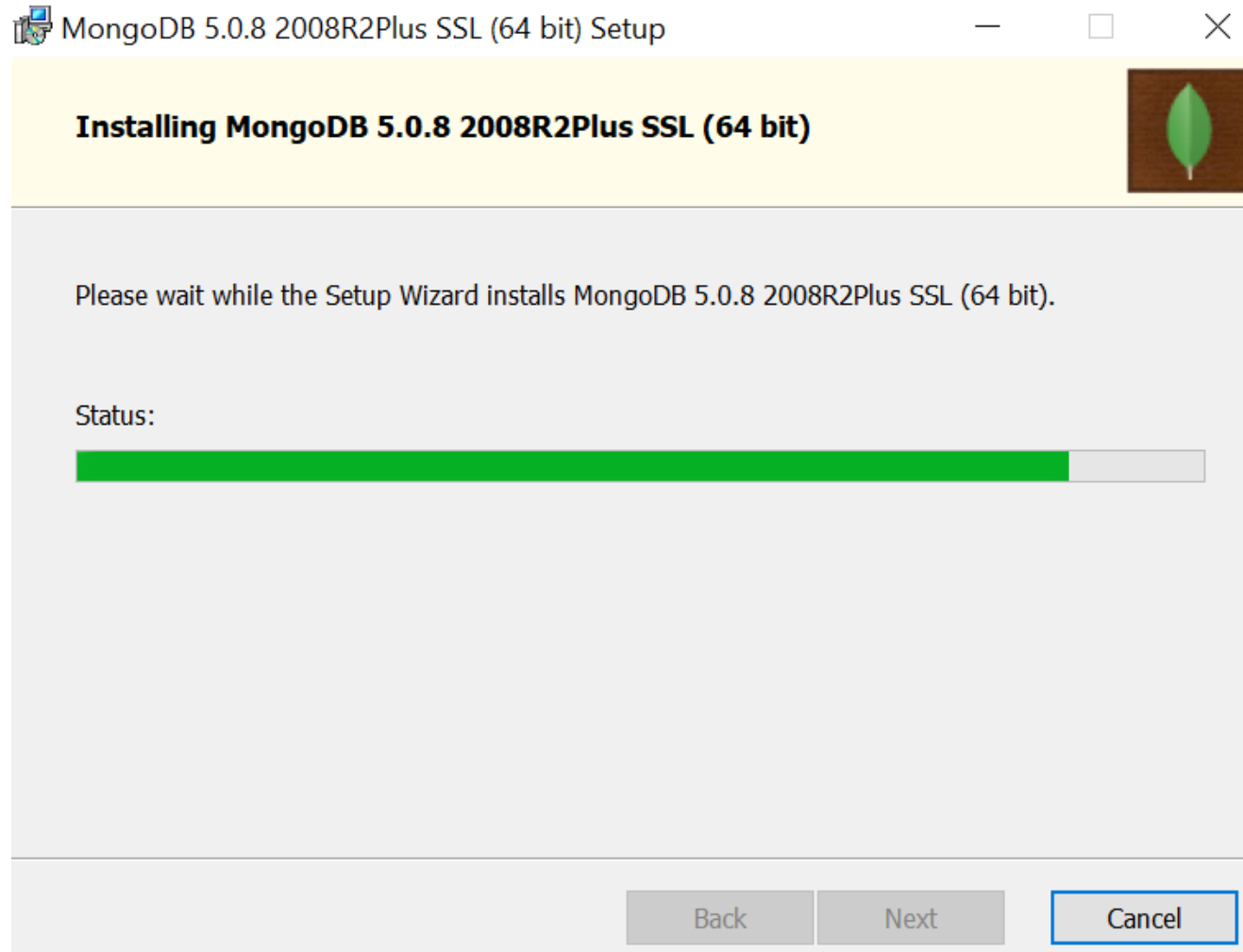
Instalación de SQL-Server en Windows 10

8. El instalador le pedirá que confirme el proceso de instalación. Seleccionara la opción “Install”.



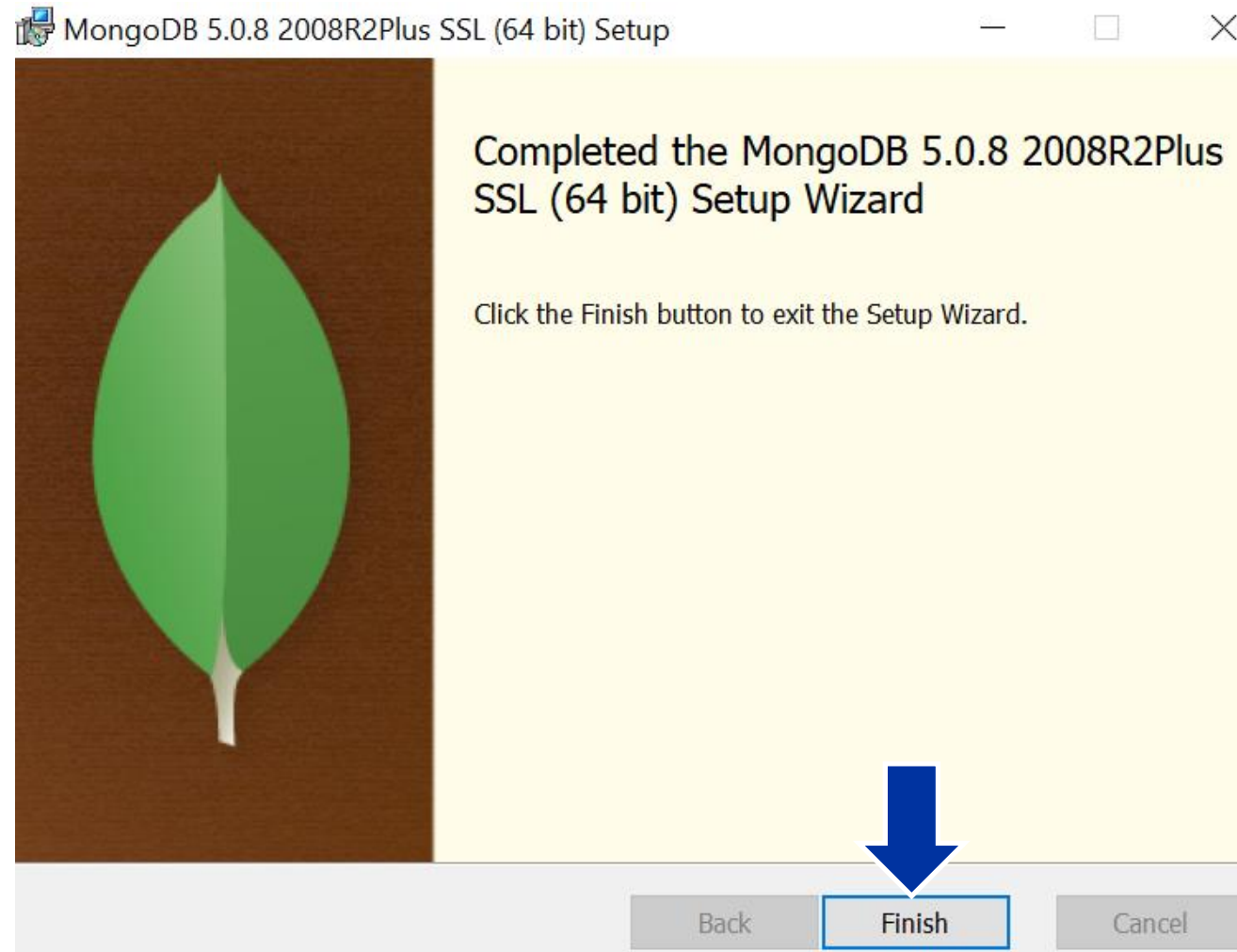
Instalación de SQL-Server en Windows 10

9. Tendrán que esperar a que el proceso de instalación termine.



Instalación de SQL-Server en Windows 10

10. Una vez que termine el proceso de instalación, seleccione la opción “Finish”.



Instalación de SQL-Server en Windows 10

11. En el sistema de archivos de Windows (C:\) creara una carpeta llamada “data” y dentro de esta se creara una carpeta llamada “db”. Ambas carpetas son necesarias para que MongoDB se ejecute de manera local en su sistema.

Archivos de programa	13/5/2022 19:24	Carpeta de archivos
Archivos de programa (x86)	12/5/2022 20:39	Carpeta de archivos
data	13/5/2022 19:32	Carpeta de archivos
Dell	15/6/2021 08:27	Carpeta de archivos
Instaladores Xerox	11/8/2021 12:07	Carpeta de archivos
Intel	12/5/2022 12:30	Carpeta de archivos
MATS	13/10/2021 11:43	Carpeta de archivos
PerfLogs	7/12/2019 03:14	Carpeta de archivos
ProgramFilesFolder	15/1/2022 16:34	Carpeta de archivos
Usuarios	4/1/2022 14:11	Carpeta de archivos
Windows	11/5/2022 13:03	Carpeta de archivos



Instalación de SQL-Server en Windows 10

12. Para ejecutar MongoDB en consola se dirigirán a C:\Program Files\MongoDB\Server\5.0\bin y primero dará doble clic sobre “mongod.exe” y después para el cliente ejecutaremos mongo.exe en el misma carpeta.

```
C:\Program Files\MongoDB\Server\5.0\bin>mongod.exe
on,"attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2022-05-13T19:35:26.047-05:00"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting for
or connections","attr":{"port":27017,"ssl":"off"}}
{"t":{"$date":"2022-05-13T19:35:27.008-05:00"},"s":"I", "c":"FTDC", "id":20631, "ctx":"ftdc","msg":"Unclean full-
time diagnostic data capture shutdown detected, found interim file, some metrics may have been lost","attr":{"error":{"c
ode":0,"codeName":"OK"}}}
{"t":{"$date":"2022-05-13T19:35:43.601-05:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connectio
n accepted","attr":{"remote":"127.0.0.1:58699","uuid":"9e727d4e-ba07-4412-90bf-fc99af2d3cba","connectionId":1,"connectio
nCount":1}}
{"t":{"$date":"2022-05-13T19:35:43.606-05:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn1","msg":"client metad
ata","attr":{"remote":"127.0.0.1:58699","client":"conn1","doc":{"application":{"name":"MongoDB Shell"},"driver":{"name":
"MongoDB Internal Client","version":"5.0.8"},"os":{"type":"Windows","name":"Microsoft Windows 10","architecture":"x86_64
","version":"10.0 (build 19044)"}}}}
{"t":{"$date":"2022-05-13T19:36:25.777-05:00"},"s":"I", "c":"STORAGE", "id":22430, "ctx":"Checkpointner","msg":"Wired
Tiger message","attr":{"message":"[1652488585:776830][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT
_PROGRESS] saving checkpoint snapshot min: 47, snapshot max: 47 snapshot count: 0, oldest timestamp: (0, 0), meta check
point timestamp: (0, 0) base write gen: 4"}}
{"t":{"$date":"2022-05-13T19:37:25.791-05:00"},"s":"I", "c":"STORAGE", "id":22430, "ctx":"Checkpointner","msg":"Wired
Tiger message","attr":{"message":"[1652488645:791225][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT
_PROGRESS] saving checkpoint snapshot min: 50, snapshot max: 50 snapshot count: 0, oldest timestamp: (0, 0), meta check
point timestamp: (0, 0) base write gen: 4"}}
{"t":{"$date":"2022-05-13T19:38:25.805-05:00"},"s":"I", "c":"STORAGE", "id":22430, "ctx":"Checkpointner","msg":"Wired
Tiger message","attr":{"message":"[1652488705:805588][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT
_PROGRESS] saving checkpoint snapshot min: 52, snapshot max: 52 snapshot count: 0, oldest timestamp: (0, 0), meta check
point timestamp: (0, 0) base write gen: 4"}}
{"t":{"$date":"2022-05-13T19:39:25.818-05:00"},"s":"I", "c":"STORAGE", "id":22430, "ctx":"Checkpointner","msg":"Wired
Tiger message","attr":{"message":"[1652488765:818174][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT
_PROGRESS] saving checkpoint snapshot min: 54, snapshot max: 54 snapshot count: 0, oldest timestamp: (0, 0), meta check
point timestamp: (0, 0) base write gen: 4"}}
```

```
C:\Program Files\MongoDB\Server\5.0\bin>mongo.exe
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/
=====
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:
  2022-05-13T19:35:25.775-05:00: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted
  2022-05-13T19:35:25.775-05:00: This server is bound to localhost. Remote systems will be unable to connect to th
is server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or wi
th --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to di
sable this warning
---
  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.

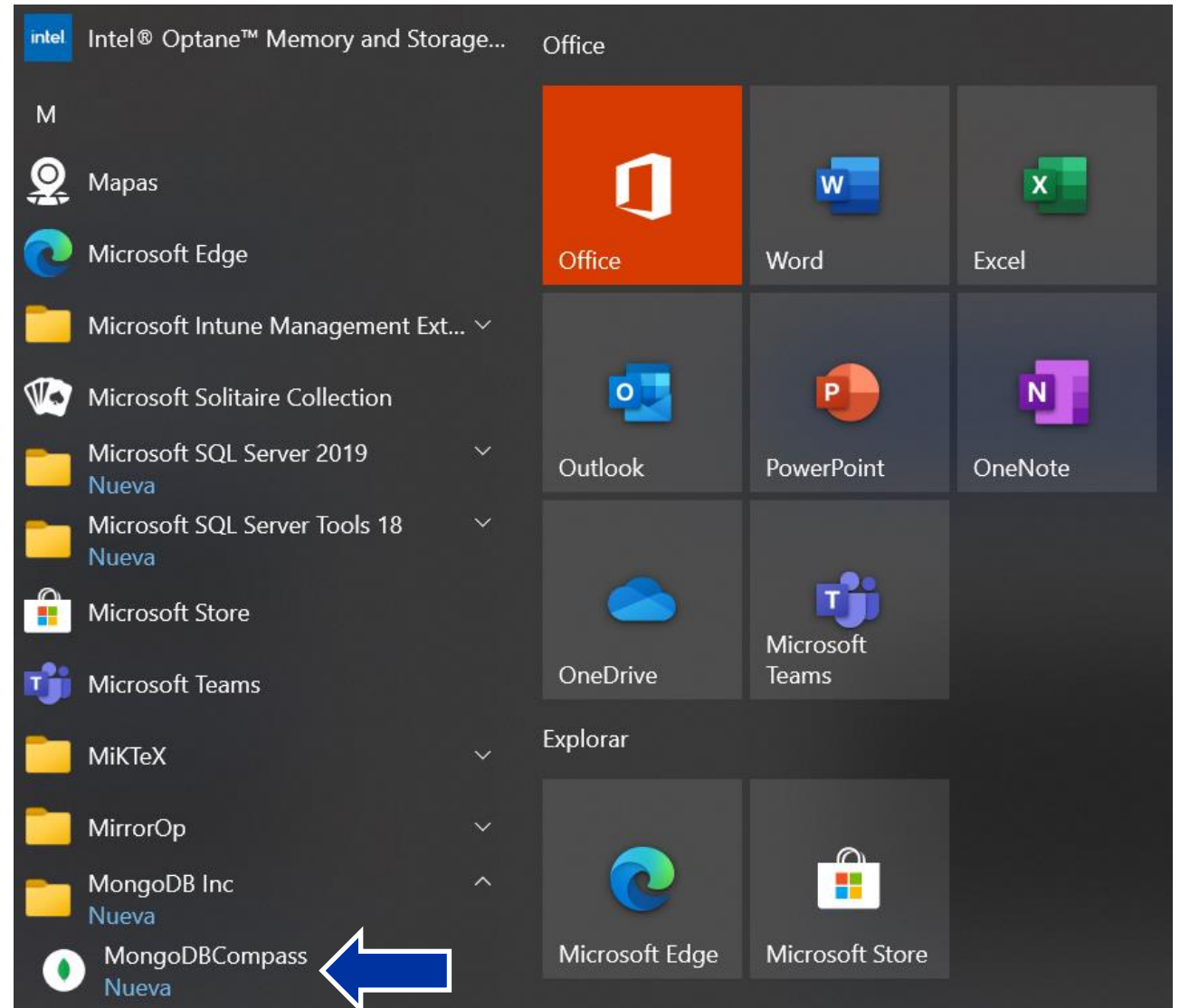
  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
```

1 Servidor de MongoDB mongod.exe

1 Cliente de MongoDB mongo.exe

Instalación de SQL-Server en Windows 10

13. Para usar el cliente grafico deberá seleccionar el programa “MongoDB Compass”.



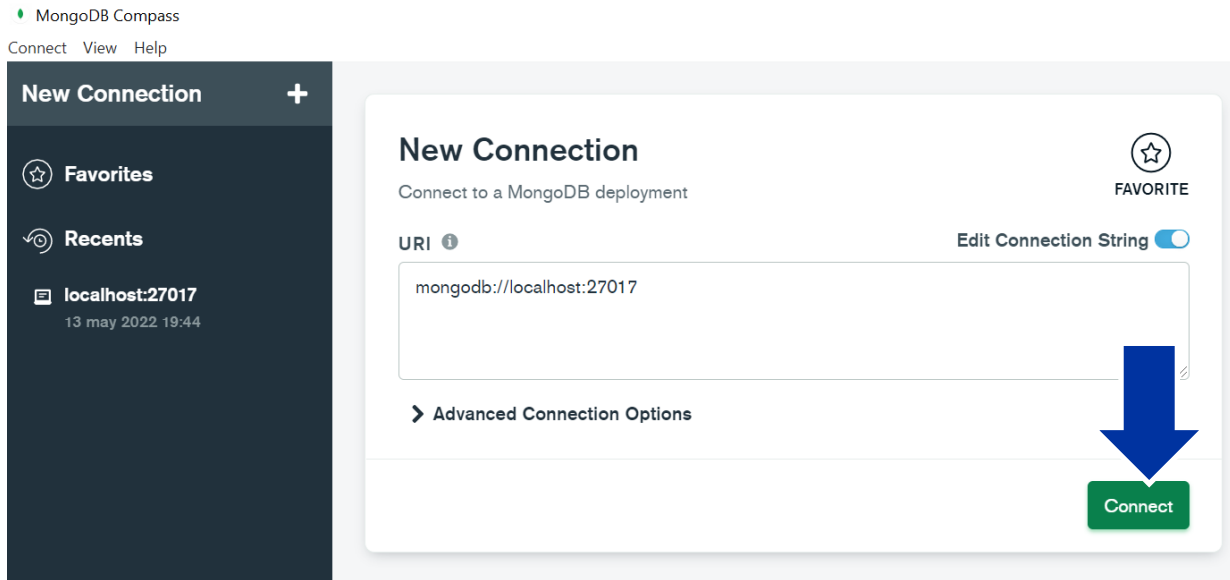
Instalación de SQL-Server en Windows 10

14. Para que MongoDB Compass funcione necesitara ejecutar el servidor local “mongod.exe” en la carpeta C:\Program Files\MongoDB\Server\5.0\bin.

```
C:\Program Files\MongoDB\Server\5.0\bin>mongod.exe
on", "attr": {"address": "127.0.0.1"}}
{"t": {"$date": "2022-05-13T19:35:26.047-05:00"}, "s": "I", "c": "NETWORK", "id": 23016, "ctx": "listener", "msg": "Waiting for connections", "attr": {"port": 27017, "ssl": "off"}}
{"t": {"$date": "2022-05-13T19:35:27.008-05:00"}, "s": "I", "c": "FTDC", "id": 20631, "ctx": "ftdc", "msg": "Unclean full-time diagnostic data capture shutdown detected, found interim file, some metrics may have been lost", "attr": {"error": {"code": 0, "codeName": "OK"}}}
{"t": {"$date": "2022-05-13T19:35:43.601-05:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "127.0.0.1:58699", "uuid": "9e727d4e-ba07-4412-90bf-fc99af2d3cba", "connectionId": 1, "connectionCount": 1}}
{"t": {"$date": "2022-05-13T19:35:43.606-05:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn1", "msg": "client metadata", "attr": {"remote": "127.0.0.1:58699", "client": "conn1", "doc": {"application": {"name": "MongoDB Shell"}, "driver": {"name": "MongoDB Internal Client", "version": "5.0.8"}, "os": {"type": "Windows", "name": "Microsoft Windows 10", "architecture": "x86_64"}, "version": "10.0 (build 19044)"}}}
{"t": {"$date": "2022-05-13T19:36:25.777-05:00"}, "s": "I", "c": "STORAGE", "id": 22430, "ctx": "Checkpoint", "msg": "WiredTiger message", "attr": {"message": "[1652488585:776830][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT_PROGRESS] saving checkpoint snapshot min: 47, snapshot max: 47 snapshot count: 0, oldest timestamp: (0, 0), meta checkpoint timestamp: (0, 0) base write gen: 4"}}
{"t": {"$date": "2022-05-13T19:37:25.791-05:00"}, "s": "I", "c": "STORAGE", "id": 22430, "ctx": "Checkpoint", "msg": "WiredTiger message", "attr": {"message": "[1652488645:791225][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT_PROGRESS] saving checkpoint snapshot min: 50, snapshot max: 50 snapshot count: 0, oldest timestamp: (0, 0), meta checkpoint timestamp: (0, 0) base write gen: 4"}}
{"t": {"$date": "2022-05-13T19:38:25.805-05:00"}, "s": "I", "c": "STORAGE", "id": 22430, "ctx": "Checkpoint", "msg": "WiredTiger message", "attr": {"message": "[1652488705:805588][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT_PROGRESS] saving checkpoint snapshot min: 52, snapshot max: 52 snapshot count: 0, oldest timestamp: (0, 0), meta checkpoint timestamp: (0, 0) base write gen: 4"}}
{"t": {"$date": "2022-05-13T19:39:25.818-05:00"}, "s": "I", "c": "STORAGE", "id": 22430, "ctx": "Checkpoint", "msg": "WiredTiger message", "attr": {"message": "[1652488765:818174][25344:140720768111952], WT_SESSION.checkpoint: [WT_VERB_CHECKPOINT_PROGRESS] saving checkpoint snapshot min: 54, snapshot max: 54 snapshot count: 0, oldest timestamp: (0, 0), meta checkpoint timestamp: (0, 0) base write gen: 4"}}
```

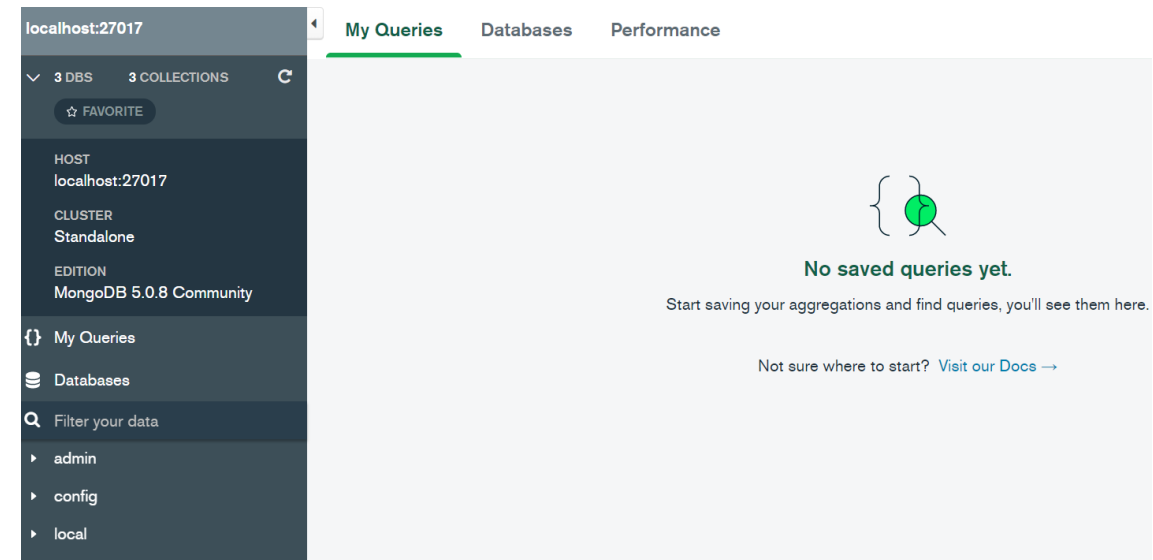
Instalación de SQL-Server en Windows 10

15. En la aplicación MongoDB Compass, una vez iniciado el servidor, se podrá conectar.



1

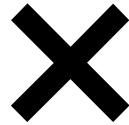
Conexión con el servidor MongoDB (mongod.exe).



2

MongoDB Compass, conectado al servidor local de base de datos.

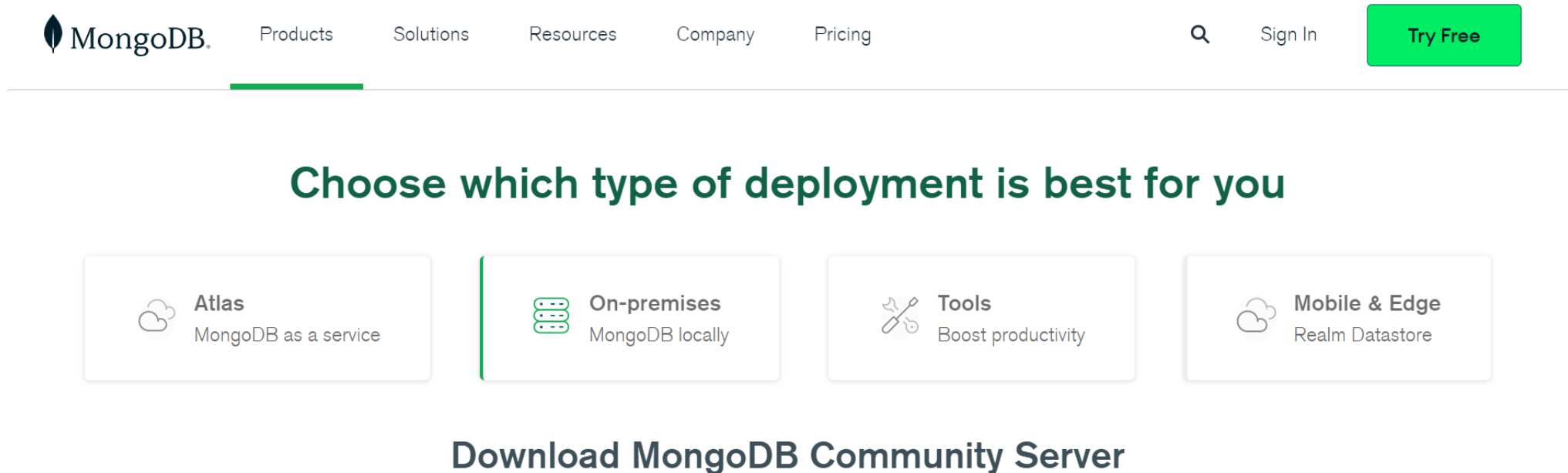
Instalación de MongoDB para Mac-OSX



mongoDB

Instalación de MongoDB para Mac-OSX

1. Diríjase a la pagina de “MongoDB Download” <https://www.mongodb.com/try/download/community> con su navegador favorito ([Chrome](#) de preferencia).



Instalación de MongoDB para Mac-OSX

2. Seleccione la opción de “MongoDB Community Server” y descargue (“Download”) la opción del paquete mas nuevo.

MongoDB Community Server 1

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 (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

Available Downloads

Version

5.0.8 (current) ✓

Platform


macOS ✓

Package

tgz

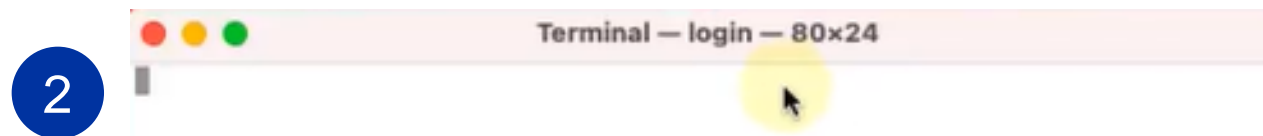
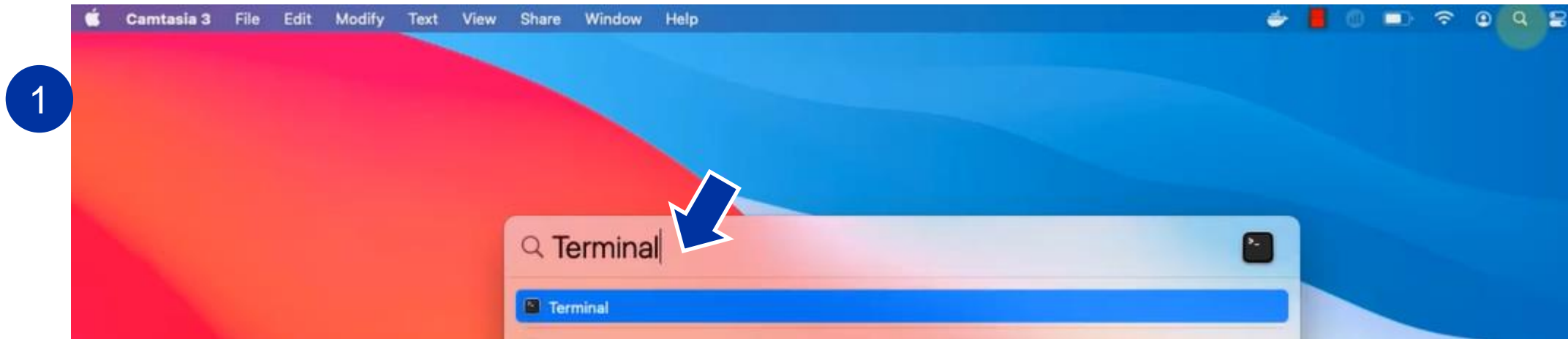
Download

Copy Link

2 

Instalación de MongoDB para Mac-OSX

3. Abra una terminal del sistema en Mac.



Instalación de MongoDB para Mac-OSX

4. Posicione la terminal en la carpeta de descargas y busque el archivo descargado.

```
Last login: Sat Jan  4 22:51:01 on console
Hackingtosh:~ Any$ cd downloads
Hackingtosh:downloads Any$ ls
CHIME IMAGE schematic.PNG      VSCode-darwin-stable.zip      Work.jpeg
Canucks-Place-BLACK.png        Visual Studio Code.app        aNY.jpg
Shopify example.mp4            Web Example.mp4               dEV.jpg
Hackingtosh:downloads Any$
```

data
en.b-lcdad-hdmi1_sch
en.b-lcdad-hdmi1_sch.zip

giveaway.xlsx
laligamayores.png
mongodb-macos-x86_64-4.2.2.tgz

xampp-osx-7.4.1-0-vm.dmg

5. Descomprima el archivo descargado desde la consola y muestre los archivos.

```
Hackingtosh:downloads Any$ tar xzf mongodb-macos-x86_64-4.2.2.tgz
Hackingtosh:downloads Any$ ls
CHIME IMAGE schematic.PNG      VSCode-darwin-stable.zip      Work.jpeg
Canucks-Place-BLACK.png        Visual Studio Code.app        aNY.jpg
Shopify example.mp4            Web Example.mp4               dEV.jpg
Hackingtosh:downloads Any$
```

data
en.b-lcdad-hdmi1_sch
en.b-lcdad-hdmi1_sch.zip

giveaway.xlsx
laligamayores.png
mongodb-macos-x86_64-4.2.2

mongodb-macos-x86_64-4.2.2.tgz
xampp-osx-7.4.1-0-vm.dmg

Instalación de MongoDB para Mac-OSX

6. Movemos la carpeta descomprimida a /usr/local/mongodb (la carpeta “mongodb” se creara de manera automática).

```
[Hackingtosh:downloads Any$ sudo mv mongodb-macos-x86_64-4.2.2 /usr/local/mongodb  
[Password:  
Hackingtosh:downloads Any$
```

7. Nos posicionamos en /usr/local/mongodb y creamos dos carpetas “data” y “db” dentro de esta.

```
[Hackingtosh:downloads Any$ cd /usr/local/mongodb/  
[Hackingtosh:mongodb Any$ ls  
LICENSE-Community.txt      README                      THIRD-PARTY-NOTICES        THIRD-PARTY-NOTICES.gotools  mongodb-macos-x86_64-4.2.2  
MPL-2                      bin  
Hackingtosh:mongodb Any$ sudo mkdir -p /data/db
```


Instalación de MongoDB para Mac-OSX

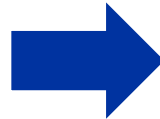
8. Agregamos permisos especiales sobre las carpetas recién creadas.

```
[Hackingtosh:downloads Any$ cd /data/db  
[Hackingtosh:db Any$ pwd  
/data/db  
[Hackingtosh:db Any$ whoami  
Any  
[Hackingtosh:db Any$ sudo chown Any /data/db
```

Obtener el nombre de usuario en la Mac (lo usaremos después).

Instalación de MongoDB para Mac-OSX

9. Revisamos que tengamos el archivo `.bash_profile` en `/usr/local/mongodb/data/db`



```
Hackingtosh:~ Any$ ls -al
total 192
drwxr-xr-x+ 25 Any  staff   850 Jan  1 21:47 .
drwxr-xr-x   6 root  admin   204 Dec 10 20:17 ..
-r-----   1 Any  staff    8 Dec 10 10:19 .CFUserTextEncoding
-rw-r--r--@  1 Any  staff 14340 Jan  4 23:31 .DS_Store
drwx----- 17 Any  staff   578 Jan  4 22:59 .Trash
-rw-----   1 Any  staff  1860 Jan  4 23:38 .bash_history
-rw-r--r--@  1 Any  staff    70 Jan  1 21:44 .bash_profile
drwx----- 77 Any  staff  2618 Jan  4 23:40 .bash_sessions
drwxr-xr-x   3 Any  staff   102 Dec 31 17:54 .bitnami
drwx-----   3 Any  staff   102 Dec 17 20:18 .config
-rw-----   1 Any  staff  2171 Jan  2 21:01 .dbshell
-rw-----   1 Any  staff     0 Jan  1 21:45 .mongorc.js
drwxr-xr-x   7 Any  staff   238 Dec 30 23:40 .npm
drwxr-xr-x   4 Any  staff   136 Dec 17 20:24 .vscode
drwx-----@  4 Any  staff   136 Dec 11 20:01 Applications
drwx-----   6 Any  staff   204 Jan  4 23:39 Desktop
drwx-----+  3 Any  staff   102 Dec 10 09:59 Documents
drwx-----+ 21 Any  staff   714 Jan  4 23:30 Downloads
drwx-----@ 48 Any  staff  1632 Dec 23 22:51 Library
drwx-----   3 Any  staff   102 Dec 10 09:59 Movies
drwx-----   3 Any  staff   102 Dec 10 09:59 Music
drwx-----   4 Any  staff   136 Dec 10 10:36 Pictures
drwx-----   5 Any  staff   170 Dec 10 09:59 Public
-rw-r--r--   1 Any  staff 64604 Dec 10 10:23 derby.log
drwxr-xr-x   3 Any  staff   102 Dec 10 10:23 isus
```

10. Si no existiera utilizamos la siguiente instrucción:



```
Hackingtosh:~ Any$ touch .bash_profile
```

Instalación de MongoDB para Mac-OSX

11. Abrimos el archivo `.bash_profile` utilizando el siguiente comando:

```
Hackingtosh:~ Any$ open .bash_profile
```

12. Copiamos las siguientes líneas de código en el archivo `.bash_profile` y salvamos los cambios (command+s):



```
export MONGO_PATH=/usr/local/mongodb  
export PATH=$PATH:$MONGO_PATH/bin
```

13. Limpiamos el archivo `.bash_profile`:

```
Hackingtosh:~ Any$ source .bash_profile
```

Instalación de MongoDB para Mac-OSX

14. Abrimos dos terminales y ejecutamos lo siguiente:

```
Any — mongo — 80x24
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten] ** server with
--bind_ip 127.0.0.1 to disable this warning.
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten]
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten]
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten] ** WARNING: soft rlimit
s too low. Number of files is 256, should be at least 1000
---
Enable MongoDB's free cloud-based monitoring service, which will then receive an
d 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 acc
essible to you
and anyone you share the URL with. MongoDB may use this information to make prod
uct
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.disableFreeM
onitoring()
---
```

1

Conexión con el cliente mongo

```
Any — mongod — 80x24
2020-01-04T23:46:18.678-0600 I SHARDING [initandlisten] Marking collection admin.system.version as collection version: <unsharded>
2020-01-04T23:46:18.730-0600 I SHARDING [initandlisten] Marking collection local.startup_log as collection version: <unsharded>
2020-01-04T23:46:18.730-0600 I FTDC [initandlisten] Initializing full-time diagnostic data capture with directory '/data/db/diagnostic.data'
2020-01-04T23:46:18.737-0600 I SHARDING [LogicalSessionCacheRefresh] Marking collection config.system.sessions as collection version: <unsharded>
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] Listening on /tmp/mongod-27017.sock
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] Listening on 127.0.0.1
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] waiting for connections on port 27017
2020-01-04T23:46:18.770-0600 I SHARDING [LogicalSessionCacheReap] Marking collection config.transactions as collection version: <unsharded>
2020-01-04T23:46:19.003-0600 I SHARDING [ftdc] Marking collection local.oplog.rs as collection version: <unsharded>
2020-01-04T23:46:28.373-0600 I NETWORK [listener] connection accepted from 127.0.0.1:55431 #1 (1 connection now open)
2020-01-04T23:46:28.374-0600 I NETWORK [conn1] received client metadata from 127.0.0.1:55431 conn1: { application: { name: "MongoDB Shell" }, driver: { name: "MongoDB Internal Client", version: "4.2.2" }, os: { type: "Darwin", name: "Mac OS X", architecture: "x86_64", version: "16.7.0" } }
```

2

Conexión con el servidor mongod

Instalación de MongoDB para Mac-OSX

14. Ahora ya podrá trabajar con MongoDB desde consola.

```
Any — mongo — 80x24
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten] ** server with
--bind_ip 127.0.0.1 to disable this warning.
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten]
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten]
2020-01-04T23:46:18.509-0600 I CONTROL [initandlisten] ** WARNING: soft rlimit
s too low. Number of files is 256, should be at least 1000
---
Enable MongoDB's free cloud-based monitoring service, which will then receive an
d 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 acc
essible to you
and anyone you share the URL with. MongoDB may use this information to make prod
uct
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.disableFreeM
onitoring()
---
```

1

Conexión con el cliente mongo

```
Any — mongod — 80x24
2020-01-04T23:46:18.678-0600 I SHARDING [initandlisten] Marking collection admi
n.system.version as collection version: <unsharded>
2020-01-04T23:46:18.730-0600 I SHARDING [initandlisten] Marking collection loca
l.startup_log as collection version: <unsharded>
2020-01-04T23:46:18.730-0600 I FTDC [initandlisten] Initializing full-time
diagnostic data capture with directory '/data/db/diagnostic.data'
2020-01-04T23:46:18.737-0600 I SHARDING [LogicalSessionCacheRefresh] Marking co
llection config.system.sessions as collection version: <unsharded>
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] Listening on /tmp/mongo
db-27017.sock
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] Listening on 127.0.0.1
2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] waiting for connections
on port 27017
2020-01-04T23:46:18.770-0600 I SHARDING [LogicalSessionCacheReap] Marking colle
ction config.transactions as collection version: <unsharded>
2020-01-04T23:46:19.003-0600 I SHARDING [ftdc] Marking collection local.oplog.r
s as collection version: <unsharded>
2020-01-04T23:46:28.373-0600 I NETWORK [listener] connection accepted from 127
.0.0.1:55431 #1 (1 connection now open)
2020-01-04T23:46:28.374-0600 I NETWORK [conn1] received client metadata from 1
27.0.0.1:55431 conn1: { application: { name: "MongoDB Shell" }, driver: { name:
"MongoDB Internal Client", version: "4.2.2" }, os: { type: "Darwin", name: "Mac
OS X", architecture: "x86_64", version: "16.7.0" } }
```

2

Conexión con el servidor mongod

Instalación de MongoDB para Mac-OSX

15. El siguiente paso es descargar MongoDB Compass para Mac desde la siguiente URL: <https://www.mongodb.com/es/products/compass>. Nuevamente puede usar su navegador favorito ([Chrome](#) de preferencia). De clic en “Descargar ahora”.



Instalación de MongoDB para Mac-OSX

16. Seleccione la opción de “MongoDB Compass” y descargue (“Download”) la opción del paquete mas nuevo.

MongoDB Compass

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.

Available Downloads

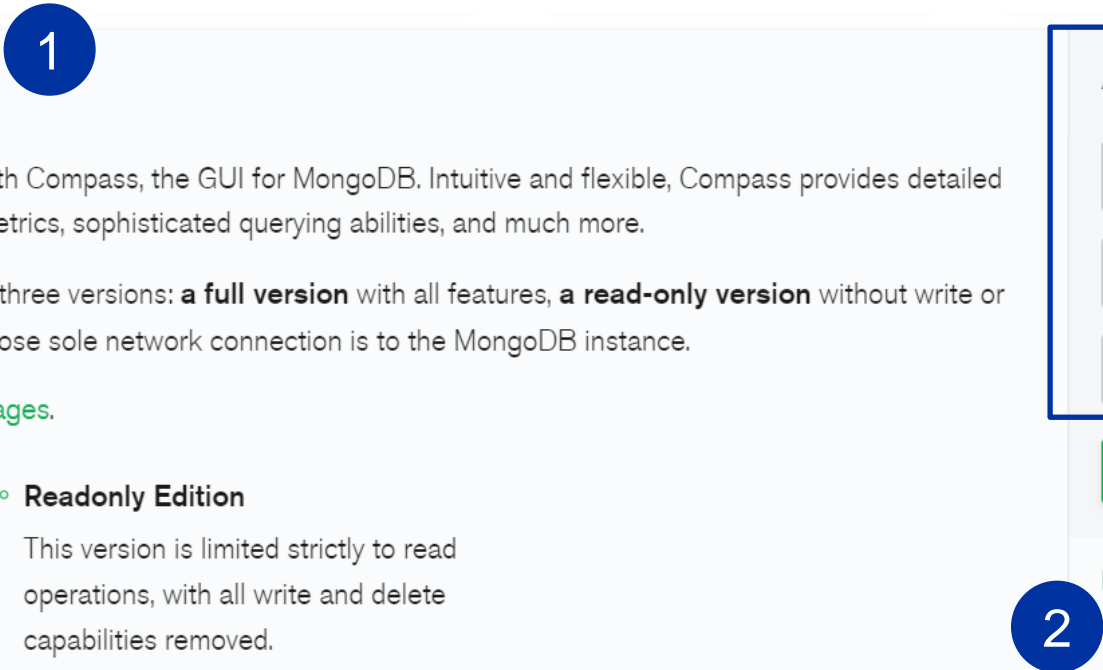
Version
1.31.2 (Stable) ✓

Platform
OS X 64-bit (10.10+) ✓

Package
dmg

 **Download** [Copy Link](#)

[Documentation](#)
[Archived releases](#)

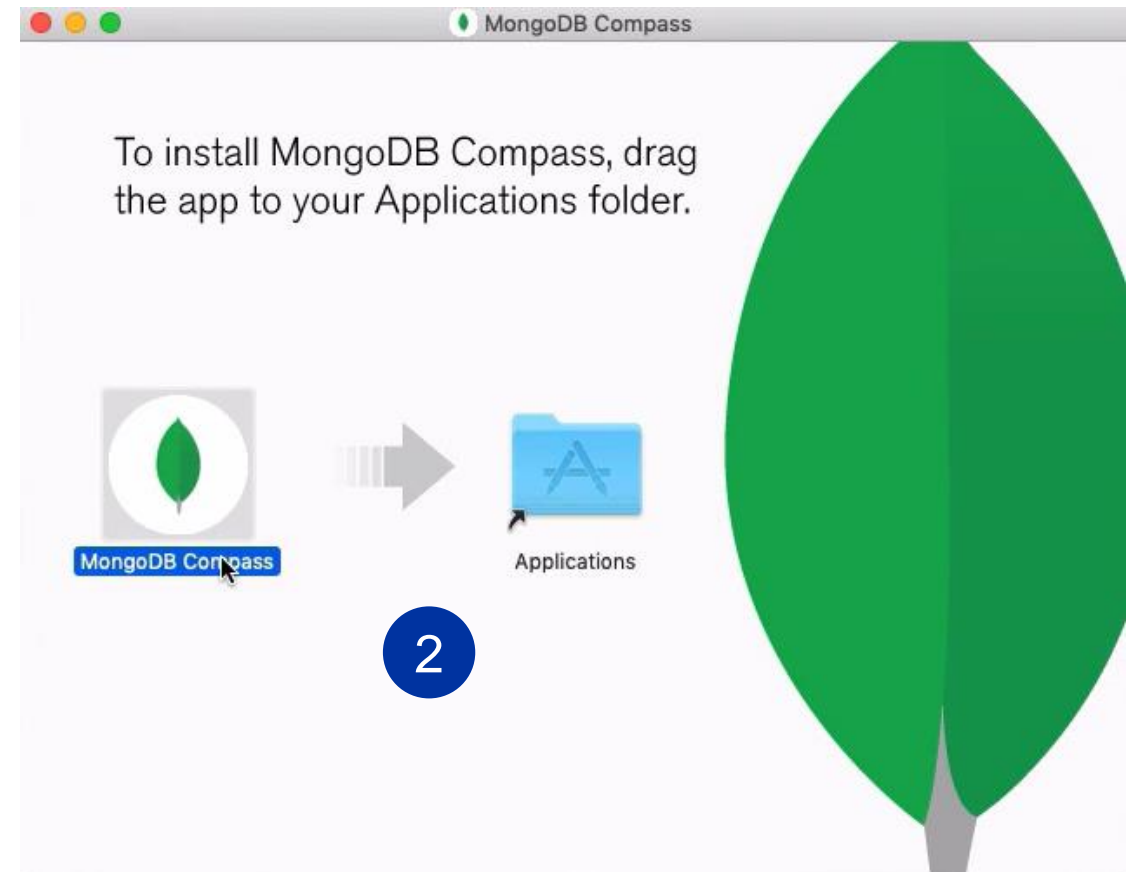


Instalación de MongoDB para Mac-OSX

17. Descomprimos el archivo con extensión .dmg y lo arrastramos a la carpeta de aplicaciones (applications).



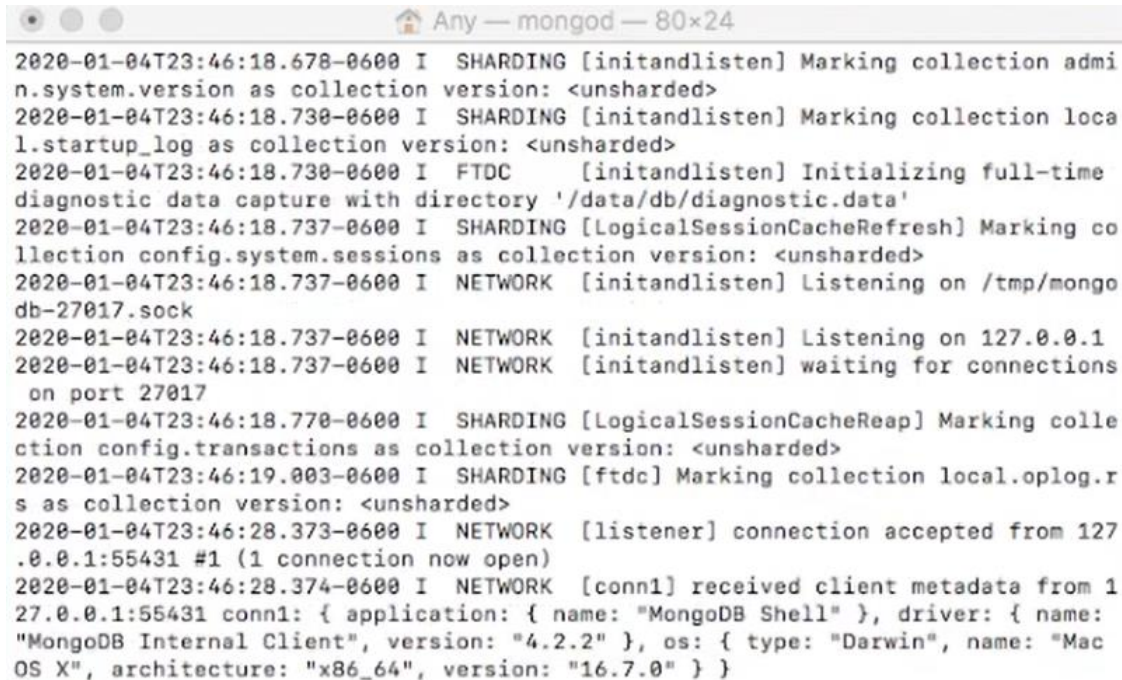
1



2

Instalación de MongoDB para Mac-OSX

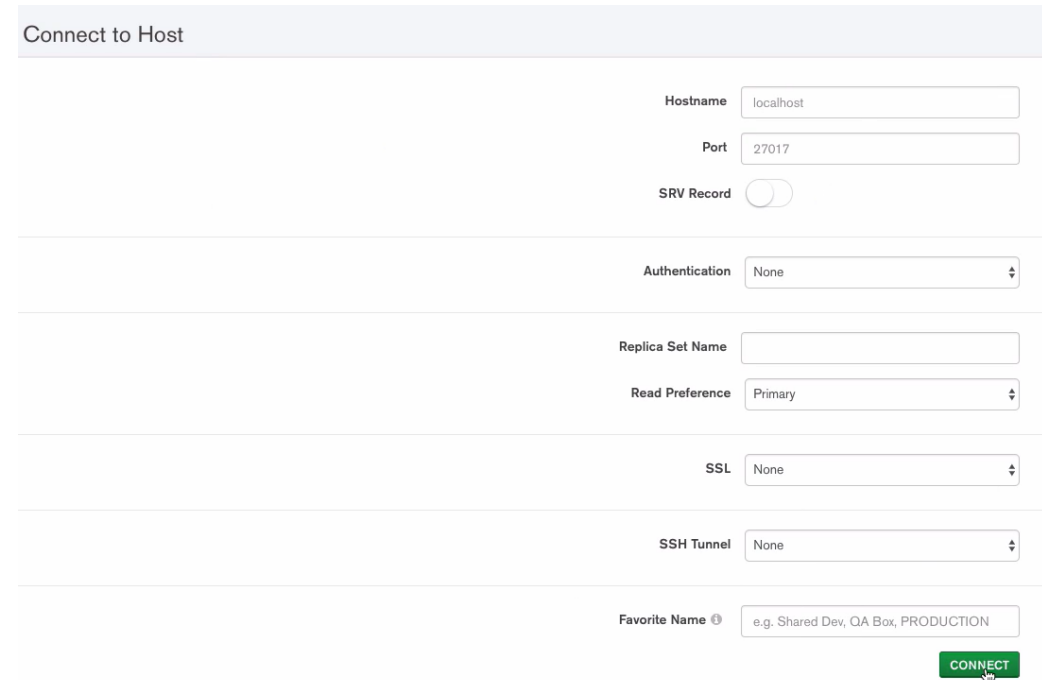
18. Abrimos MongoDB Compass y a la par una terminal con el servidor de mongo en la carpeta /usr/local/mongodb/data/db.



```
Any — mongod — 80x24
2020-01-04T23:46:18.678-0600 I SHARDING [initandlisten] Marking collection admin.system.version as collection version: <unsharded>
2020-01-04T23:46:18.730-0600 I SHARDING [initandlisten] Marking collection local.startup_log as collection version: <unsharded>
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2020-01-04T23:46:18.737-0600 I NETWORK [initandlisten] waiting for connections on port 27017
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```

1

Conexión con el servidor mongod



Connect to Host

Hostname

Port

SRV Record ☐

Authentication

Replica Set Name

Read Preference

SSL

SSH Tunnel

Favorite Name

2

Conexión con el cliente MongoDB Compass (con los parámetros por default).

Referencias

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- Connolly Thomas M, Database systems: a practical approach to design, implementation and management, 5thed., London : Addison-Wesley, 2010, 9780321523068.
- Perez, C., MySQL para windows y Linux, España, Alfaomega, 2004.
- <https://www.becas-santander.com/es/blog/metodologias-desarrollo-software.html>

Gracias!
Preguntas...



Dr. Esteban Castillo Juarez

Google academics:

<https://scholar.google.com/citations?user=JfZpVO8AAAAJ&hl=en>

<https://dblp.uni-trier.de/pers/hd/c/Castillo:Esteban>