

1. Conectarse a mongo y mostrar las bases de datos existentes

```
Microsoft Windows [Versión 10.0.19045.5487]
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C:\Users\Estudiantes>mongod
{"t":{"$date":"2025-03-11T07:41:43.308-05:00"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"thread1","msg":"Automatica
lly disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2025-03-11T07:41:44.187-05:00"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1","msg":"Initializ
ed wire specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":21},"incomingIntern
alClient":{"minWireVersion":0,"maxWireVersion":21},"outgoing":{"minWireVersion":6,"maxWireVersion":21},"isInternalClient"
:true}}}
{"t":{"$date":"2025-03-11T07:41:44.194-05:00"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"thread1","msg":"Implicit T
CP FastOpen in use."}
{"t":{"$date":"2025-03-11T07:41:44.204-05:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationDonorService","namespace":"config.tenantMigrationDon
ors"}}
{"t":{"$date":"2025-03-11T07:41:44.205-05:00"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationRecipientService","namespace":"config.tenantMigratio
nRecipients"}}
{"t":{"$date":"2025-03-11T07:41:44.205-05:00"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1","msg":"Multi thre
ading initialized"}
{"t":{"$date":"2025-03-11T07:41:44.205-05:00"},"s":"I", "c":"TENANT_M", "id":7091600, "ctx":"thread1","msg":"Starting T
enantMigrationAccessBlockerRegistry"}
{"t":{"$date":"2025-03-11T07:41:44.206-05:00"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten","msg":"Mong
oDB starting","attr":{"pid":16788,"port":27017,"dbPath":"C:/data/db/","architecture":"64-bit","host":"S01-302-15"}}
{"t":{"$date":"2025-03-11T07:41:44.206-05:00"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"Targ
et operating system minimum version","attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2025-03-11T07:41:44.206-05:00"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"Buil
d Info","attr":{"buildInfo":{"version":"7.0.5","gitVersion":"7809d71e84e314b497f282ea8aa06d7ded3eb205","modules":[],"all
ocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"}}}}}
{"t":{"$date":"2025-03-11T07:41:44.206-05:00"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"Open
```

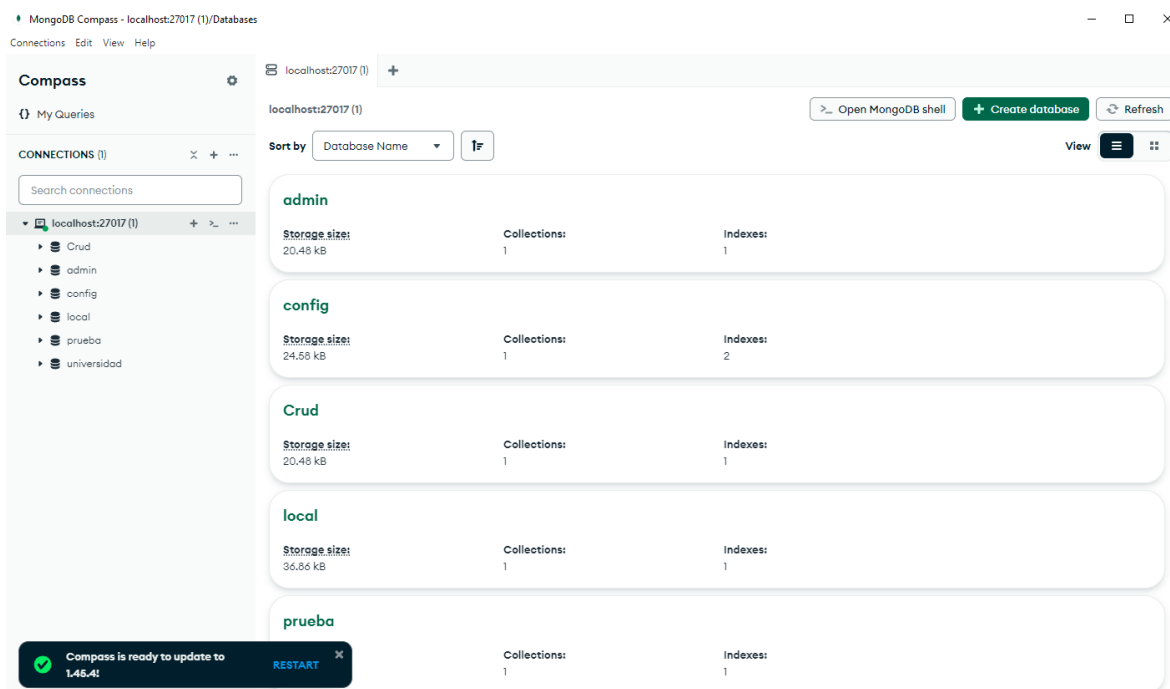
```
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C:\Users\Estudiantes>mongosh
Current Mongosh Log ID: 67d02fcc515efc839acbf53
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2
.1.4
Using MongoDB:      7.0.5
Using Mongosh:      2.1.4
mongosh 2.3.3 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

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The server generated these startup warnings when booting
  2025-03-11T07:41:44.453-05:00: Access control is not enabled for the database. Read and write access to data and conf
figuration is unrestricted
  2025-03-11T07:41:44.453-05:00: This server is bound to localhost. Remote systems will be unable to connect to this se
rver. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --
bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable
this warning
-----

test> show dbs
Crud          40.00 KiB
admin         40.00 KiB
config        60.00 KiB
local         72.00 KiB
prueba        8.00 KiB
universidad   144.00 KiB
test>
```



2. Crear una base de datos, una colección y mostrar las bases de datos

```
test> use Casilda
switched to db Casilda
Casilda> db.createCollection('aula')
{ ok: 1 }
Casilda> show dbs
Casilda      8.00 KiB
Crud         40.00 KiB
admin        40.00 KiB
config       72.00 KiB
local        72.00 KiB
prueba       8.00 KiB
universidad 144.00 KiB
Casilda>
```

Victoria Pardo – Practica: Bases de datos no relacionales

MongoDB Compass - localhost:27017 (1)/Databases

Connections Edit View Help

localhost:27017 (1)

Sort by Database Name

View

admin

Storage size: 20.48 kB	Collections: 0	Indexes: 1
------------------------	----------------	------------

Casilda

Storage size:	Collections:	Indexes:
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config

Storage size: 24.58 kB	Collections: 0	Indexes: 2
------------------------	----------------	------------

Crud

Storage size: 20.48 kB	Collections: 1	Indexes: 1
------------------------	----------------	------------

local

Storage size: 35.66 kB	Collections: 1	Indexes: 1
------------------------	----------------	------------

localhost:27017 (1) Casilda

Sort by Collection Name

View

aula

Storage size: 4.10 kB	Documents: 0	Avg. document size: 0 B	Indexes: 1	Total index size: 4.10 kB
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localhost:27017 (1) Casilda aula

Documents 0 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

25 0 - 0 of 0

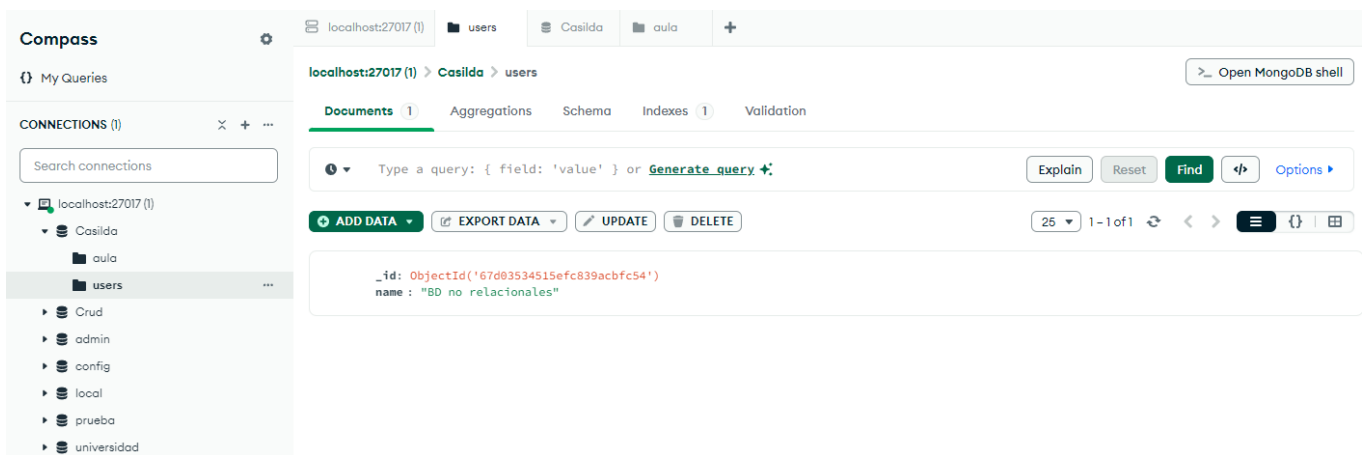
This collection has no data

It only takes a few seconds to import data from a JSON or CSV file.

Import Data

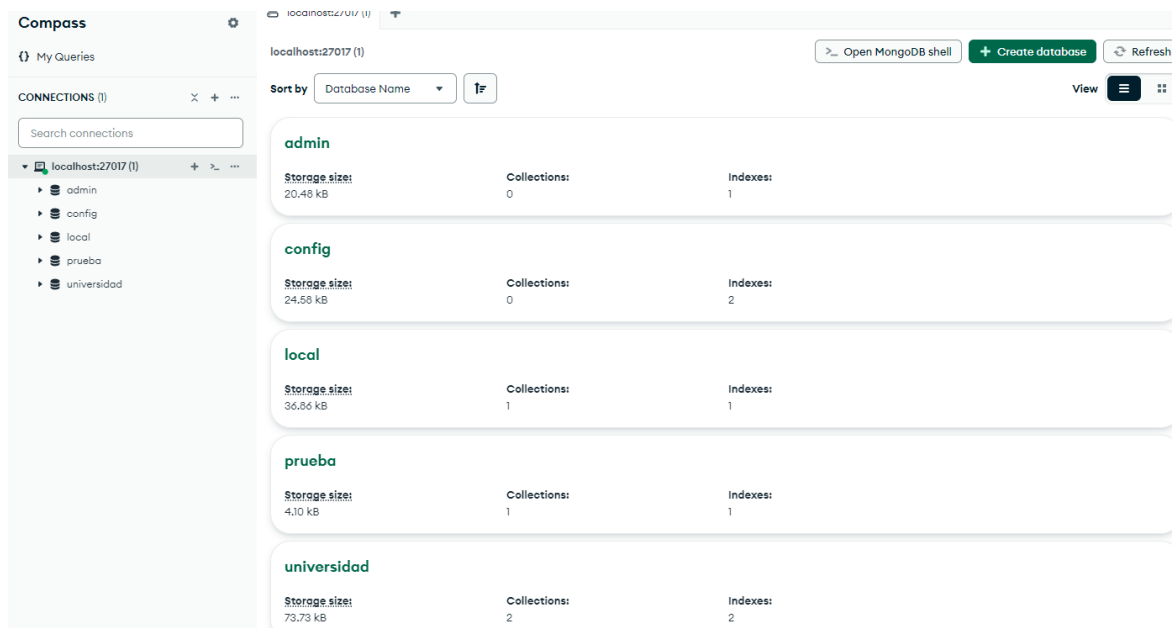
3. Crear otra colección, un nuevo documento y mostrar las colecciones

```
Casilda> db.users.insertOne({name: 'BD no relacionales'})
{
  acknowledged: true,
  insertedId: ObjectId('67d03534515efc839acbfc54')
}
Casilda> show collections
aula
users
Casilda>
```



4. Eliminar bases de datos

```
Casilda> use Crud
switched to db Crud
Crud> db.dropDatabase()
{ ok: 1, dropped: 'Crud' }
Crud> use Casilda
switched to db Casilda
Casilda> db.dropDatabase()
{ ok: 1, dropped: 'Casilda' }
Casilda>
```



5. Crear una base de datos, colección y documento de manera gráfica. Y luego eliminarlas.

Create Database

Database Name

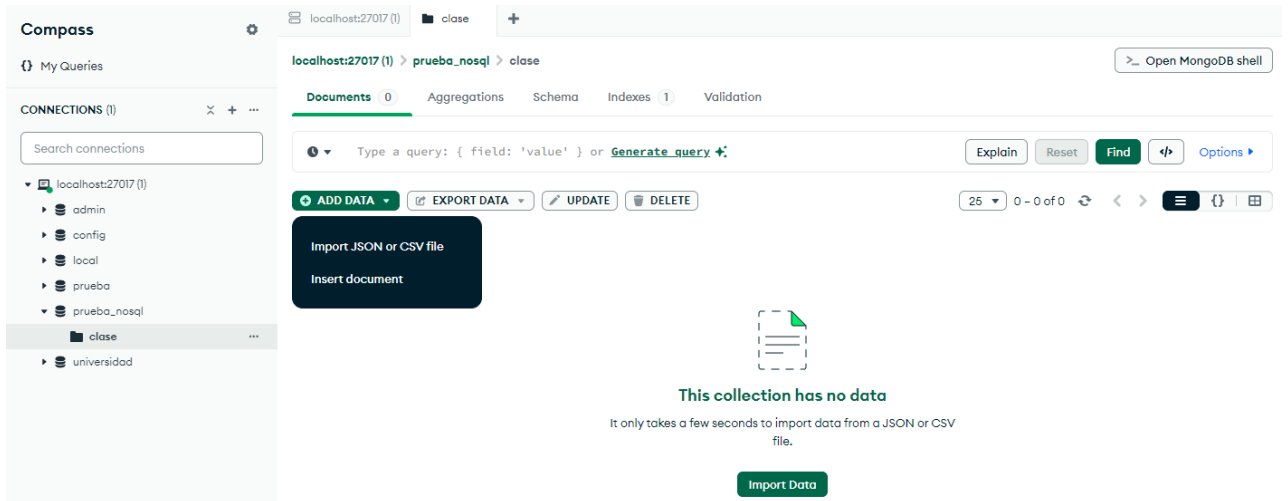
Collection Name

☐ Time-Series
Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)

☒ Additional preferences (e.g. Custom collation, Capped, Clustered collections)

☐ Capped Collection
Fixed-size collections that support high-throughput operations that insert and retrieve documents based on insertion order. [Learn More](#)

☐ Use Custom Collation
Collation allows users to specify language-specific rules for string comparison.



Insert Document

To collection prueba_nosql.clase

