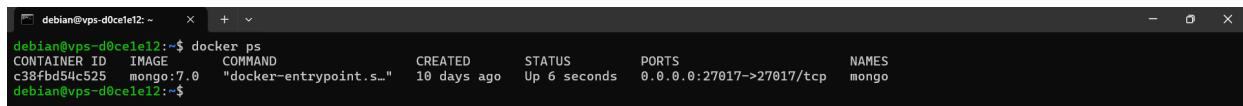


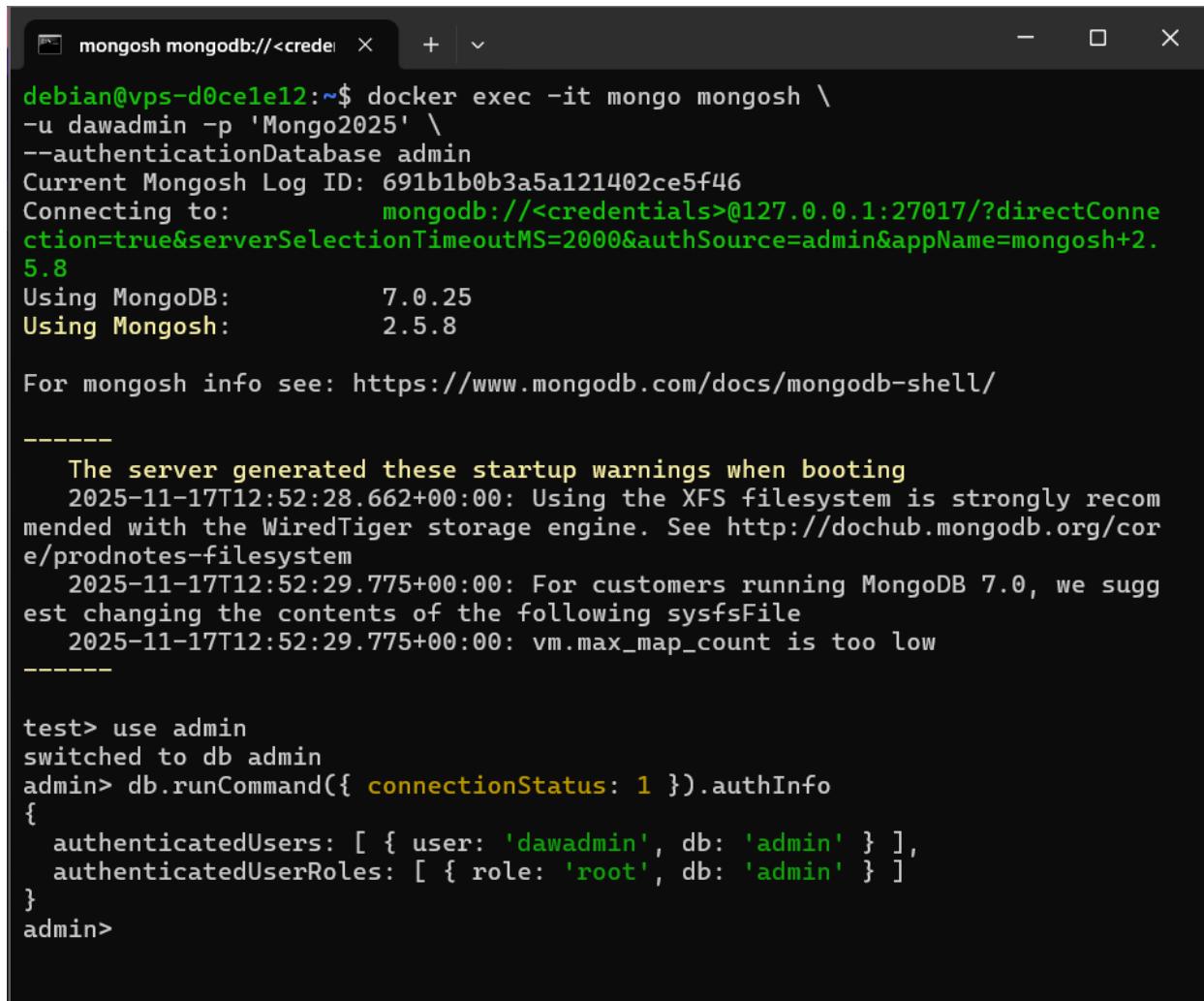
Práctica 2. Despliegue de MongoDB en un contenedor Docker (VPS OVHCloud)

- Evidencia de contenedor en ejecución (docker ps, docker logs):



```
debian@vps-d0ce1e12:~$ docker ps
CONTAINER ID   IMAGE    COMMAND      CREATED     STATUS      PORTS     NAMES
c38fbfd4c525   mongo:7.0  "docker-entrypoint.s..."  10 days ago   Up 6 seconds  0.0.0.0:27017->27017/tcp  mongo
debian@vps-d0ce1e12:~$
```

- Evidencia de conexión mongosh desde VPS. Debe verse usuario dawadmin sobre myapp



```
mongosh mongodb://<credentials>
debian@vps-d0ce1e12:~$ docker exec -it mongo mongosh \
-u dawadmin -p 'Mongo2025' \
--authenticationDatabase admin
Current Mongosh Log ID: 691b1b0b3a5a121402ce5f46
Connecting to:          mongodb://<credentials>@127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&authSource=admin&appName=mongosh+2.5.8
Using MongoDB:          7.0.25
Using Mongosh:          2.5.8

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/
-----
The server generated these startup warnings when booting
2025-11-17T12:52:28.662+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2025-11-17T12:52:29.775+00:00: For customers running MongoDB 7.0, we suggest changing the contents of the following sysfsFile
2025-11-17T12:52:29.775+00:00: vm.max_map_count is too low
-----

test> use admin
switched to db admin
admin> db.runCommand({ connectionStatus: 1 }).authInfo
{
  authenticatedUsers: [ { user: 'dawadmin', db: 'admin' } ],
  authenticatedUserRoles: [ { role: 'root', db: 'admin' } ]
}
admin>
```

- **Evidencia de la creación de appuser. Debe verse rol readwrite sobre myapp**

```
mongosh mongodb://<creden ... + - X
myapp> db.createUser({
...   user: "appuser",
...   pwd: "App2025",
...   roles: [ { role: "readWrite", db: "myapp" } ]
... })
MongoServerError[Location51003]: User "appuser@myapp" already exists
myapp>
```

(Tuve que volver a escribir el comando por eso sale que ya esta creado)

- **Evidencia de túnel SSH abierto. Debe verse comando ssh -L 27018:127.0.0.1:27017 ... visible**

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

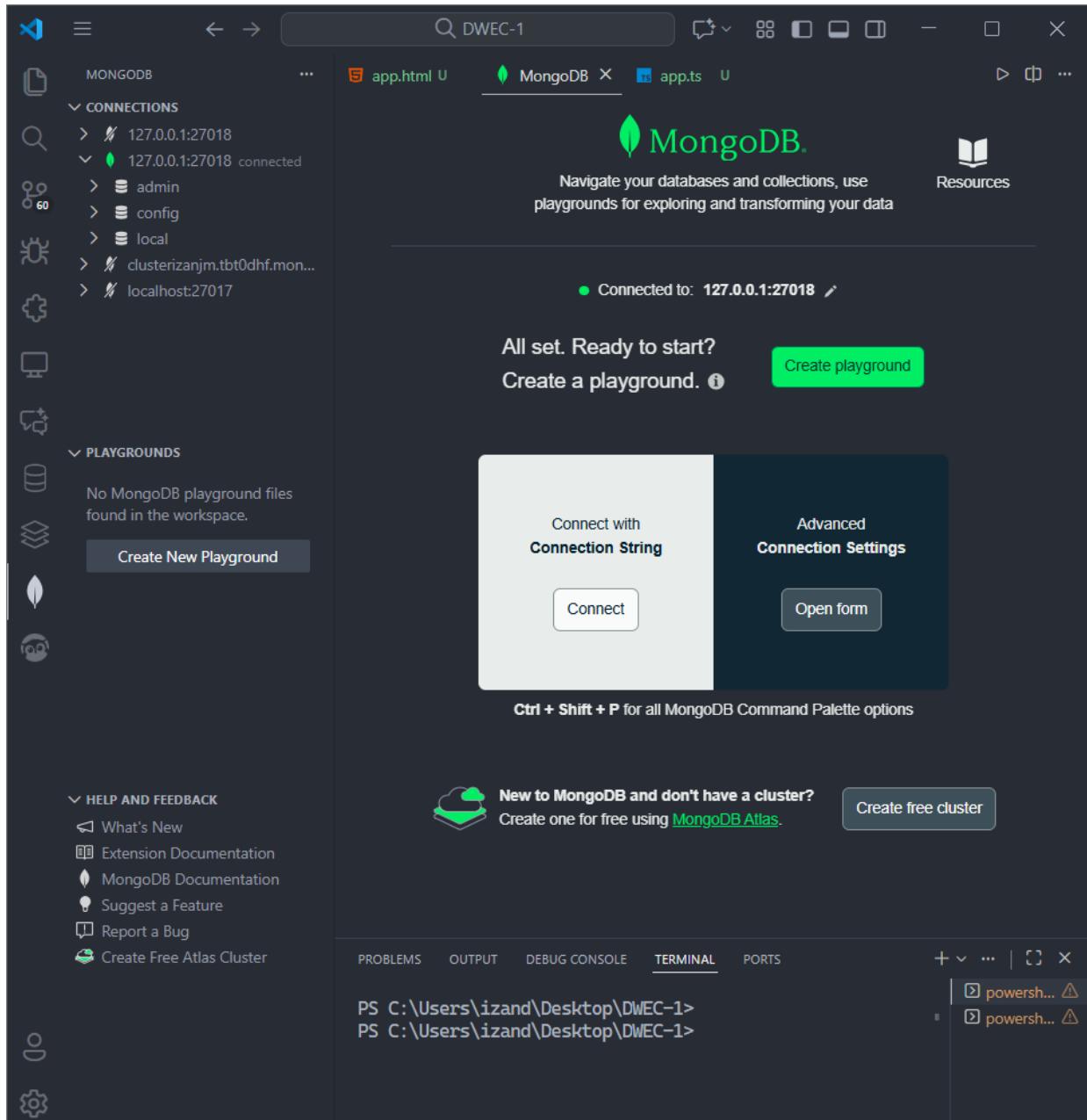
Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\izand> ssh -L 27018:127.0.0.1:27017 debian@51.68.44.205
Linux vps-d0ce1e12 6.1.0-41-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.15-8-1 (2025-11-09) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Nov 17 12:46:37 2025 from 62.87.74.251
debian@vps-d0ce1e12:~$
```

- **Evidencia de conexión desde VS Code / Compass. Debe verse 127.0.0.1:27017 funcionando**



- **Evidencia de persistencia. Deben verse los datos tras el reinicio.**

This screenshot shows the same MongoDB extension setup as the previous one, but with a different terminal output. The terminal window now displays the following MongoDB shell session, indicating that data has been inserted into the 'alumnos' collection:

```

[1]+  Exit 127      mongod --dbpath /var/lib/mongodb -f < /tmp/mongod.conf
myapp> db.createCollection('alumnos');
... db.alumnos.insertOne({ nombre: "DAW2", fecha: new Date() });
{
  acknowledged: true,
  insertedId: ObjectId('691b235540736babab7ce5f47')
}
myapp>

```