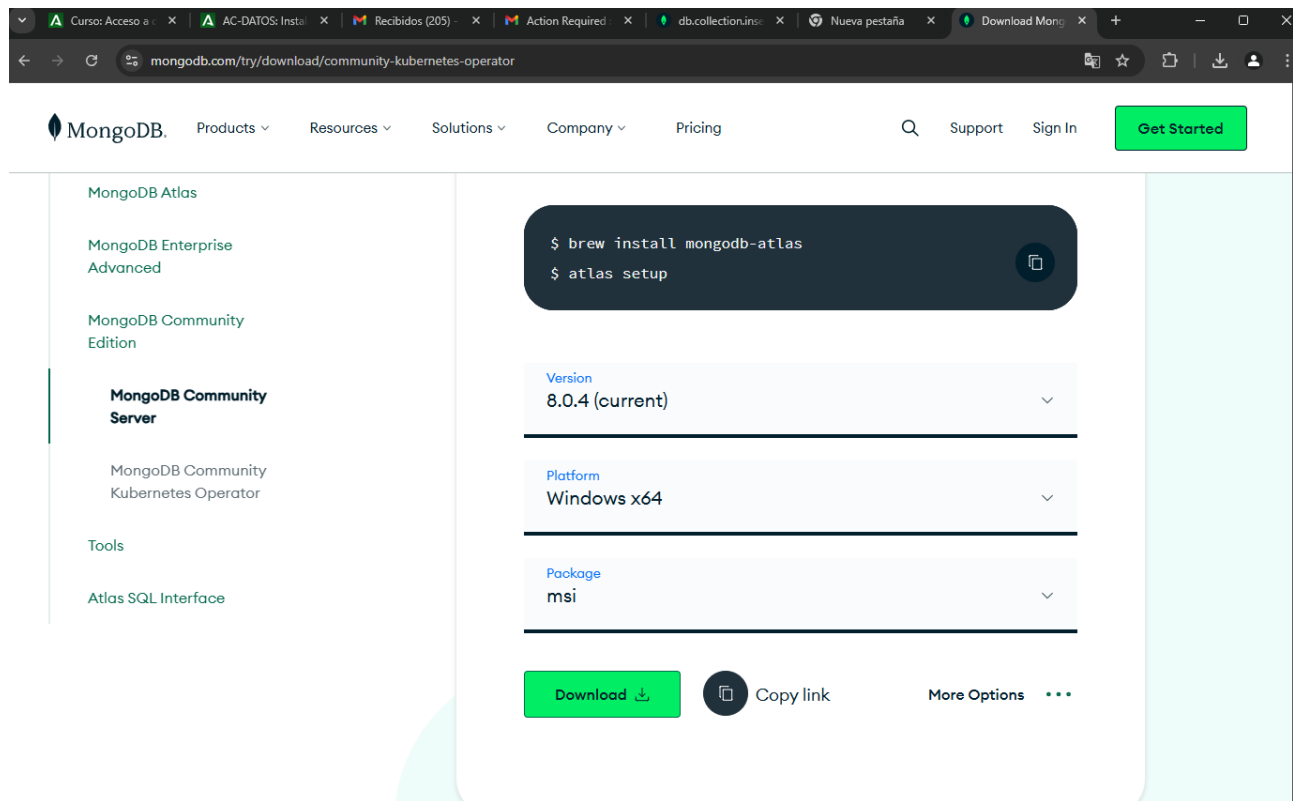


Instalación y prueba de MongoDB LOCAL

Instalación de MongoDB



Nos dirigimos a la web oficial y descargamos la versión “Community Server”. Para instalarla simplemente lo ejecutamos y aceptamos los términos.

Creación de BD

Creamos una base de datos y una colección:

A screenshot of the 'Create Database' dialog box in MongoDB. The dialog has a title bar with a close button. It contains two input fields: 'Database Name' with the value 'oscar' and 'Collection Name' with the value 'películas'. Below these fields, there is a checkbox for 'Time-Series' which is unchecked, followed by a link to 'Learn More'. At the bottom, there is a link for 'Additional preferences' and two buttons: 'Cancel' and 'Create Database'.

Oscar Montero Hinojosa
Acceso a Datos

Le insertamos un json con películas:

The screenshot shows the MongoDB Compass interface. On the left, the 'Import' dialog is open, showing the file 'películas.json' and the 'Import' button. On the right, the 'películas.json' file is open in a text editor, showing a JSON array of three movie objects: 'Shutter Island', 'Mamma mia!', and 'Inglorious Basterds'. Below, the MongoDB Compass interface shows the 'películas' collection with three documents. Each document has an '_id' field and a nested object containing 'puntuacion', 'año', and 'director'.

```
{
  "Shutter Island": {
    "puntuacion": 8.2,
    "año": 2010,
    "director": "Martin Scorsese"
  },
  "Mamma mia!": {
    "puntuacion": 6.5,
    "año": 2008,
    "director": "Phyllida Lloyd"
  },
  "Inglorious Basterds": {
    "puntuacion": 8.4,
    "año": 2009,
    "director": "Quentin Tarantino"
  }
}
```

Documents 1 | Aggregations | Schema | Indexes 1 | Validation

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

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

```
{
  "_id": ObjectId('677d493ac11a20f0bbb13fda'),
  "Shutter Island": {
    "puntuacion": 8.2,
    "año": 2010,
    "director": "Martin Scorsese"
  },
  "Mamma mia!": {
    "puntuacion": 6.5,
    "año": 2008,
    "director": "Phyllida Lloyd"
  },
  "Inglorious Basterds": {
    "puntuacion": 8.4,
    "año": 2009,
    "director": "Quentin Tarantino"
  }
}
```

Insertamos una película más:

The screenshot shows the MongoDB Compass interface. On the left, the 'Insert Document' dialog is open, showing a JSON object for 'American Psycho'. On the right, the MongoDB Compass interface shows the 'películas' collection with four documents. The new document 'American Psycho' has been added to the collection.

```
{
  "American Psycho": {
    "puntuacion": 7.6,
    "año": 2000,
    "director": "Mary Harron"
  }
}
```

Documents 2 | Aggregations | Schema | Indexes 1 | Validation

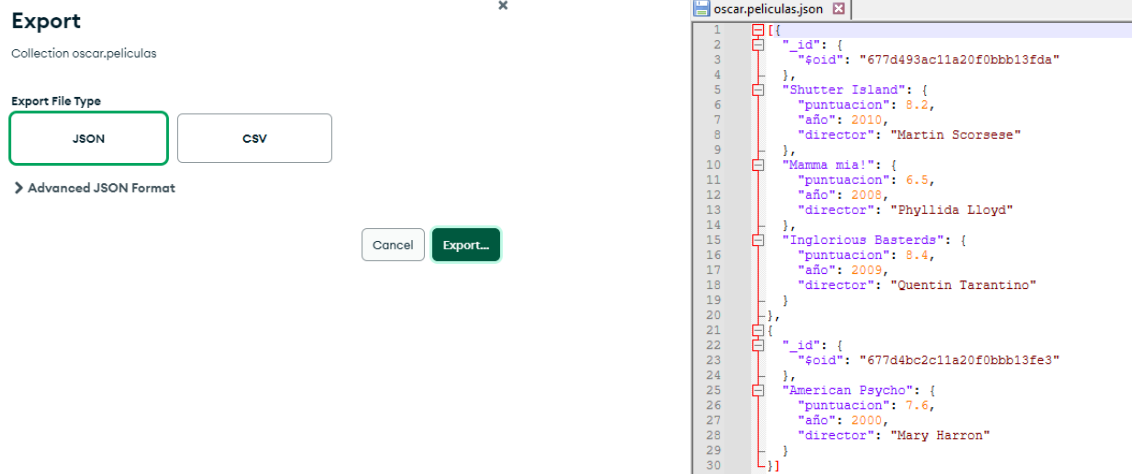
Type a query: { field: 'value' } or [Generate query](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

```
{
  "_id": ObjectId('677d493ac11a20f0bbb13fda'),
  "Shutter Island": {
    "puntuacion": 8.2,
    "año": 2010,
    "director": "Martin Scorsese"
  },
  "Mamma mia!": {
    "puntuacion": 6.5,
    "año": 2008,
    "director": "Phyllida Lloyd"
  },
  "Inglorious Basterds": {
    "puntuacion": 8.4,
    "año": 2009,
    "director": "Quentin Tarantino"
  }
},
{
  "_id": ObjectId('677d4bc2c11a20f0bbb13fe3'),
  "American Psycho": {
    "puntuacion": 7.6,
    "año": 2000,
    "director": "Mary Harron"
  }
}
```

Oscar Montero Hinojosa
Acceso a Datos

Exportamos el resultado total como json:



Conexión por consola

Creamos la base de datos e insertamos varias aficiones:

```
➤ mongosh: localhost:27017 +
> _MONGOSH
> use oscar
< switched to db oscar
> db.createCollection("aficiones")
< { ok: 1 }
> db.aficiones.insertMany([
  {
    "nombre": "Fútbol",
    "tipo": "Deporte",
  },
  {
    "nombre": "Lectura",
    "tipo": "Cultural",
  },
  {
    "nombre": "Ciclismo",
    "tipo": "Deporte",
  },
  {
    "nombre": "Pintura",
    "tipo": "Artística",
  }
])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('677d5191c92d960d3c6b1518'),
    '1': ObjectId('677d5191c92d960d3c6b1519'),
    '2': ObjectId('677d5191c92d960d3c6b151a'),
    '3': ObjectId('677d5191c92d960d3c6b151b')
  }
}
oscar > |
```

Creamos usuario admin

```
> db.createUser({  
  user: "admin",  
  pwd: "1234",  
  roles: [ { role: "root", db: "admin" } ]  
})  
< { ok: 1 }
```