

## UNIVERSITY OF THE ARMED FORCES – ESPE

### HW12 – Mongo Shell

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- **Insert Data**

First the Mongo Atlas address is copied to link it with Shell.

Then use the command **.insertOne** → `db.Menu.insertOne ({"id": "1", ...});` to insert files from computer to the cloud.

```
mongosh mongodb+srv://clusterop.9yme9.mongodb.net/CateringPlanner
Microsoft Windows [Versión 10.0.19043.1415]
(c) Microsoft Corporation. Todos los derechos reservados.

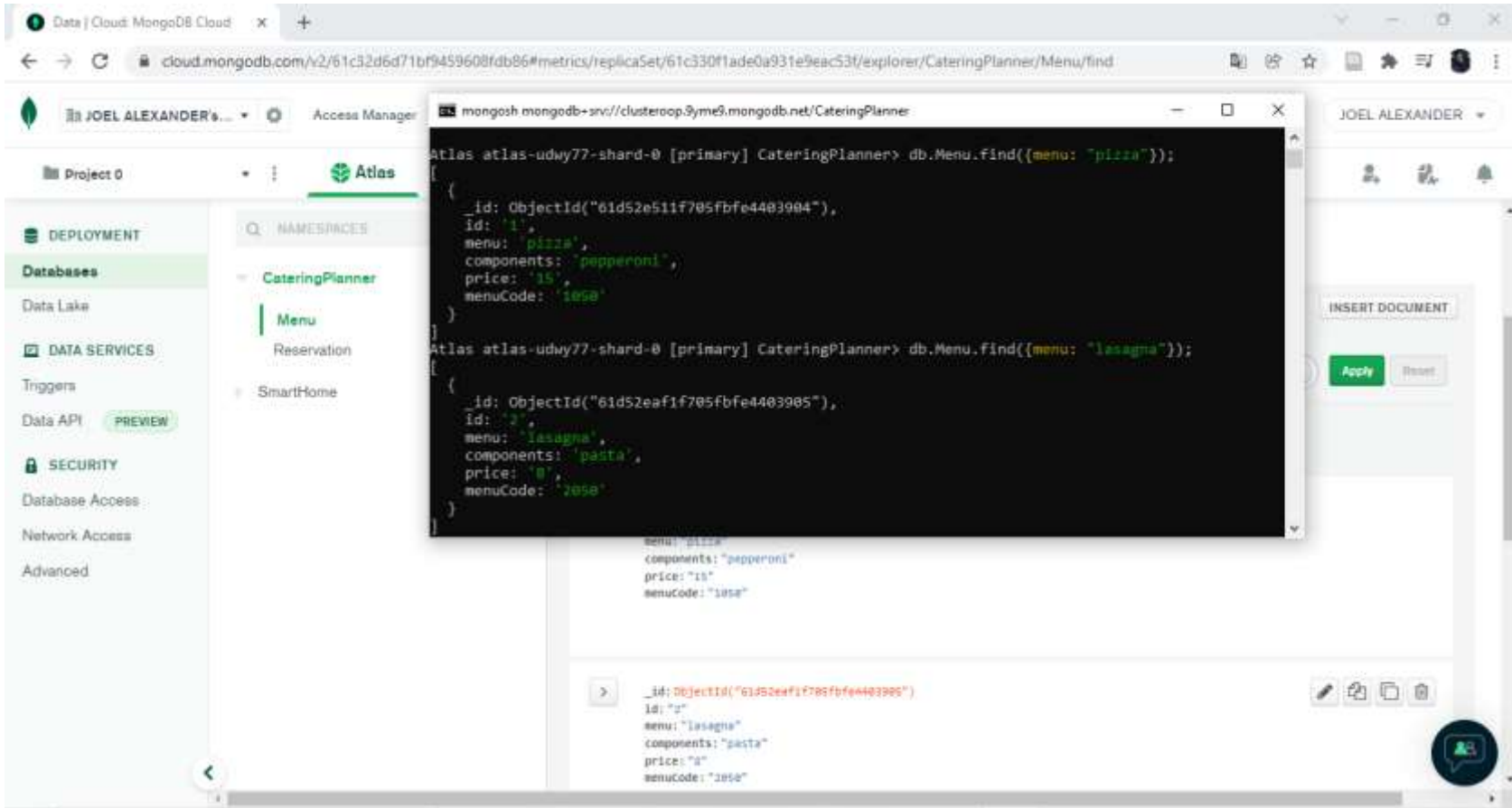
C:\Users\JOEL>mongosh "mongodb+srv://clusterop.9yme9.mongodb.net/CateringPlanner" --username jazeas
Enter password: *****
Current Mongosh Log ID: 61d52d25da1b91e33817c1fa
Connecting to:
  mongodb+srv://clusterop.9yme9.mongodb.net/CateringPlanner
Using MongoDB:
  4.4.10
Using Mongosh:
  1.1.7

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

Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Menu.insertOne({"id":"1","menu":"pizza","components":"pepperoni","price":15,"menuCode":"1050"});
{
  acknowledged: true,
  insertedId: ObjectId("61d52e511f705fbfe4403904")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Menu.insertOne({"id":"2","menu":"lasagna","components":"pasta","price":8,"menuCode":"2050"});
{
  acknowledged: true,
  insertedId: ObjectId("61d52eaf1f705fbfe4403905")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Menu.insertOne({"id":"3","menu":"hamburger","components":"beef","price":6,"menuCode":"3000"});
{
  acknowledged: true,
  insertedId: ObjectId("61d52fe01f705fbfe4403906")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Menu.insertOne({"id":"4","menu":"ratatouille","components":"vegetables","price":20,"menuCode":"2302"});
{
  acknowledged: true,
  insertedId: ObjectId("61d52fe11f705fbfe4403907")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Reservation.insertOne({"id":"1","clientName":"Joel","numberphone":"+591738037","event":"pool party"});
{
  acknowledged: true,
  insertedId: ObjectId("61d531191f705fbfe4403908")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Reservation.insertOne({"id":"2","clientName":"Sala","numberphone":"+591540008","event":"marriage"});
{
  acknowledged: true,
  insertedId: ObjectId("61d531981f705fbfe4403909")
}
Atlas atlas-uday77-shard-0 [primary] CateringPlanner> db.Reservation.insertOne({"id":"3","clientName":"Pwlanis","numberphone":"+59153829","event":"graduation"});
```

- Search Data

We look for the data entered with the command `.find` → `db.Menu.find({menu: "pizza"})`;



The screenshot displays the MongoDB Atlas web interface. On the left, the 'DEPLOYMENT' sidebar shows the 'CateringPlanner' database with a 'Menu' collection. The main area shows the results of a query: `db.Menu.find({menu: "pizza"})`. The results are displayed as a JSON array with one document:

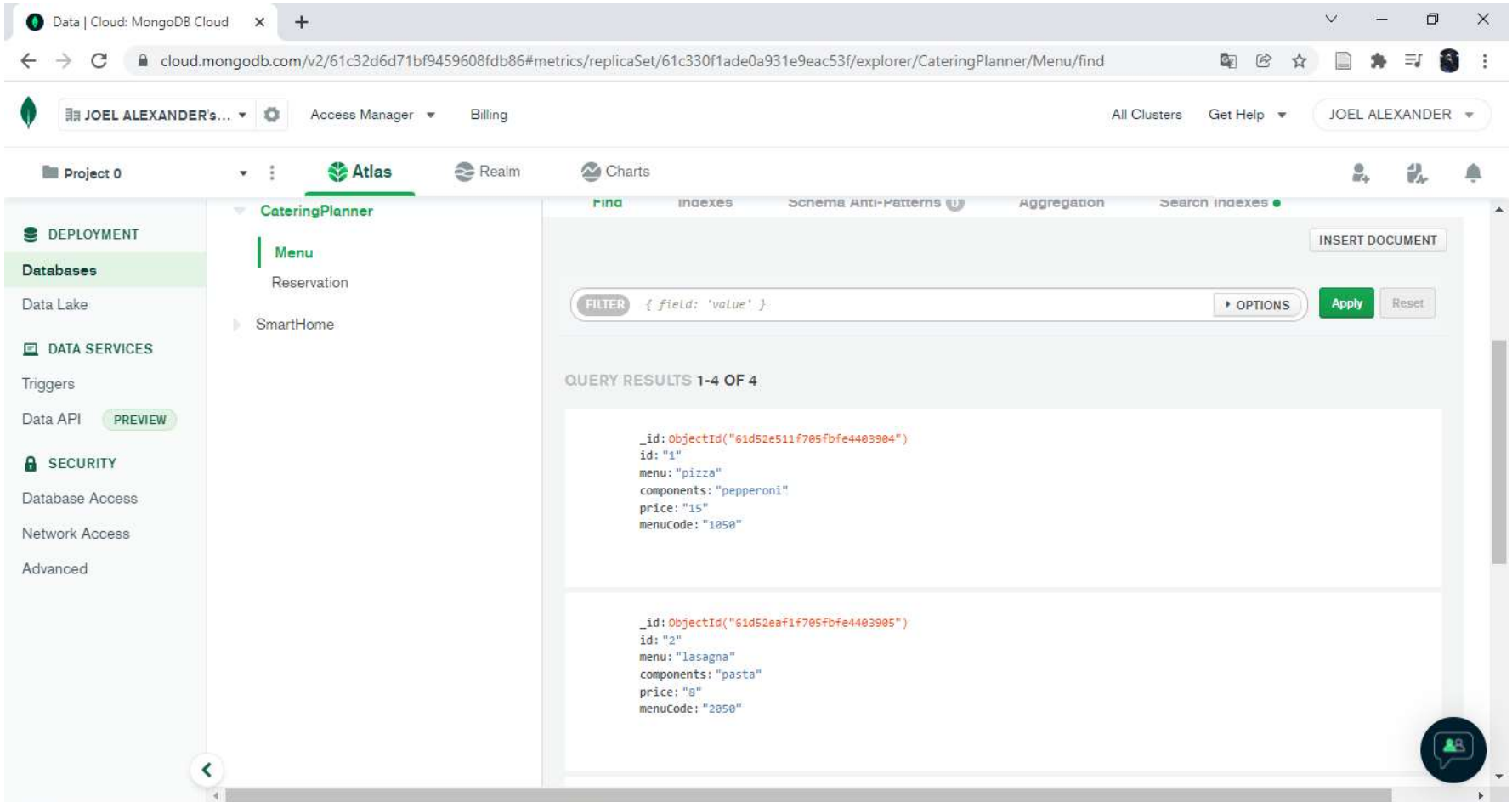
```
{
  "_id": ObjectId("61d52e511f705fbfe4403904"),
  "id": "1",
  "menu": "pizza",
  "components": "pepperoni",
  "price": "15",
  "menuCode": "1050"
}
```

Below the JSON view, a table representation of the data is shown:

id	menu	components	price	menuCode
1	pizza	pepperoni	15	1050

- **Data in Mongo Atlas**

We verify that the data is in the cloud



The screenshot shows the MongoDB Atlas web interface. The browser address bar displays the URL: `cloud.mongodb.com/v2/61c32d6d71bf9459608fdb86#metrics/replicaSet/61c330f1ade0a931e9eac53f/explorer/CateringPlanner/Menu/find`. The interface includes a sidebar with navigation options: DEPLOYMENT, Databases, DATA SERVICES, and SECURITY. The main content area shows the 'CateringPlanner' database with a 'Menu' collection. A query filter is applied: `{ fieldId: 'value' }`. The query results show two documents:

```
{
  "_id": ObjectId("61d52e511f705fbfe4403904"),
  "id": "1",
  "menu": "pizza",
  "components": "pepperoni",
  "price": "15",
  "menuCode": "1050"
}
```

```
{
  "_id": ObjectId("61d52eaf1f705fbfe4403905"),
  "id": "2",
  "menu": "lasagna",
  "components": "pasta",
  "price": "8",
  "menuCode": "2050"
}
```