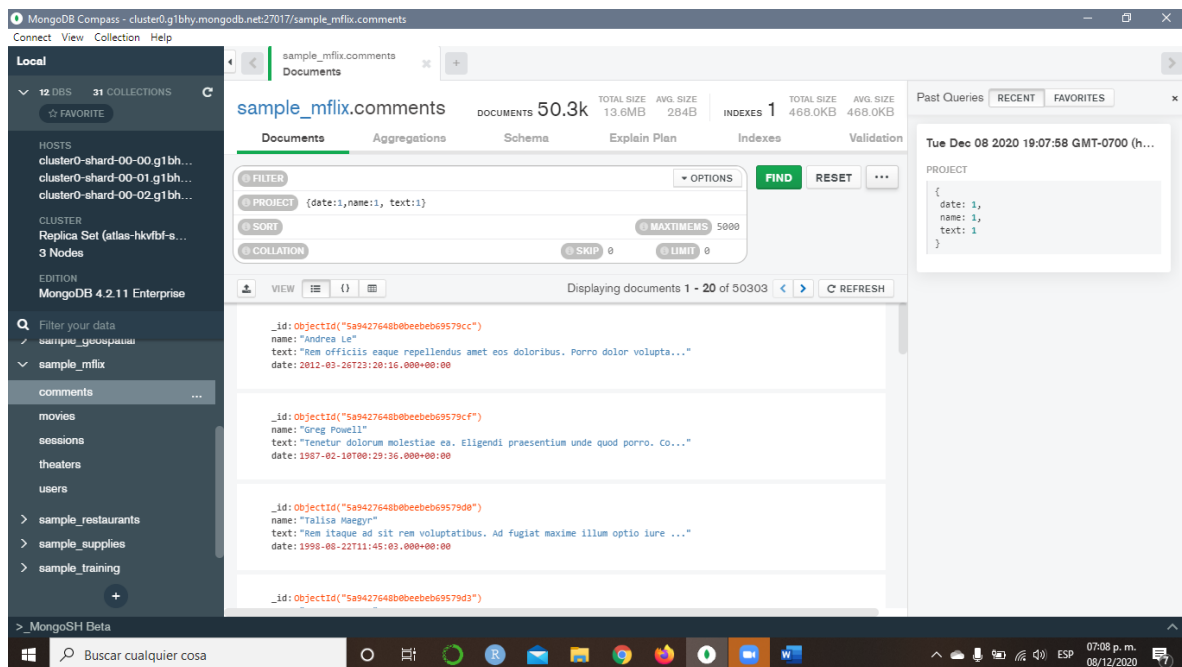


- ¿Cuáles son los principales elementos de una base de datos relacional? Conjunto de tablas, registros, campos, llaves, consultas, sql.
- ¿Cuáles son los principales elementos de una base de datos no relacional (NoSQL)? Colección, JSON, documentos, clave-valor.
- ¿Qué ventajas tiene usar una base de datos relacional? Permite crear relaciones entre tablas, datos estructurados.
- ¿Qué ventajas tiene usar una base de datos no relacional? Mayor capacidad, almacenamiento en la nube más flexibles.
- ¿Cuál es el mejor tipo de base de datos entonces? Ambas son útiles depende el objetivo que se busque, cuando los datos crecen es útil NOSQL cuando no crecen es necesario SQL.

Reto 1



Reto 2

MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample_mflix.comments

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-a...

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- sample_geospatial
- sample_mflix
- comments
- movies
- sessions
- theaters
- users
- sample_restaurants
- sample_supplies

MongoSH Beta

sample_mflix.comments Documents

DOCUMENTS 50.3k TOTAL SIZE 13.6MB AVG. SIZE 284B INDEXES 1 TOTAL SIZE 468.0KB AVG. SIZE 468.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER {name:"Greg Powell"} OPTIONS FIND RESET ...

PROJECT {text:1}

SORT

MAXTIMES 5000

COLLATION SKIP 0 LIMIT 0

VIEW

Displaying documents 1 - 20 of 290

REFRESH

Documents:

- _id: ObjectId("5a9427648b0beeb69579cf")
text: "Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Co..."
- _id: ObjectId("5a9427648b0beeb6957afe")
text: "Rem nostrum nobis saepe eaque itaque nemo. Fugit dignissimos nisi sapi..."
- _id: ObjectId("5a9427648b0beeb6957b56")
text: "Officia atque ullam esse doloribus laborum. Maiores dicta ratione rem ..."
- _id: ObjectId("5a9427648b0beeb6957dd2")
text: "Quo fugiat iure dolor nam dignissimos architecto eum. Amet molestias s..."
- _id: ObjectId("5a9427648b0beeb6958081")
text: "Facilis ut eius aliquid eaque dolore. Ut ea eos nesciunt ex sed quis. ..."

MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample_mflix.comments

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-a...

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- sample_geospatial
- sample_mflix
- comments
- movies
- sessions
- theaters
- users
- sample_restaurants
- sample_supplies

MongoSH Beta

sample_mflix.comments Documents

DOCUMENTS 50.3k TOTAL SIZE 13.6MB AVG. SIZE 284B INDEXES 1 TOTAL SIZE 468.0KB AVG. SIZE 468.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER {\$or:[{name:"Greg Powell"},{name:"Mercedes Tyler"}]} OPTIONS FIND RESET ...

PROJECT {text:1}

SORT

MAXTIMES 5000

COLLATION SKIP 0 LIMIT 0

VIEW

Displaying documents 1 - 20 of 576

REFRESH

Documents:

- _id: ObjectId("5a9427648b0beeb69579cf")
text: "Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Co..."
- _id: ObjectId("5a9427648b0beeb69579e7")
text: "Eius veritatis vero facilis quaerat fuga temporibus. Praesentium exped..."
- _id: ObjectId("5a9427648b0beeb6957a78")
text: "Voluptate odio minima pariatur recusandae. Architecto illum dicta repu..."
- _id: ObjectId("5a9427648b0beeb6957afe")
text: "Rem nostrum nobis saepe eaque itaque nemo. Fugit dignissimos nisi sapi..."
- _id: ObjectId("5a9427648b0beeb6957b56")
text: "Officia atque ullam esse doloribus laborum. Maiores dicta ratione rem ..."

MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample_mflix.movies

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-s...

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- sample_grocery
- sample_mflix
- comments

sample_mflix.movies Documents

DOCUMENTS 23.5k TOTAL SIZE 35.9MB AVG. SIZE 1.6KB INDEXES 2 TOTAL SIZE 13.2MB AVG. SIZE 6.6MB

Documents Aggregations Schema Explain Plan Indexes Validation

④ FILTER

④ PROJECT {num_mflix_comments: 1}

④ SORT {num_mflix_comments:-1}

④ COLLATION

④ MAXTIMES 5000

④ SKIP 0

④ LIMIT 1

FIND RESET ...

VIEW

Displaying documents 1 - 1 of 1

REFRESH

```
{
  "_id": ObjectId("573a1399f29313caabcee886"),
  "num_mflix_comments": 456
}
```

MongoDB Compass - cluster0.g1bhy.mongodb.net:27017/sample_mflix.movies

Connect View Collection Help

Local

12 DBS 31 COLLECTIONS

☆ FAVORITE

HOSTS

- cluster0-shard-00-00.g1bh...
- cluster0-shard-00-01.g1bh...
- cluster0-shard-00-02.g1bh...

CLUSTER

Replica Set (atlas-hkvbf-s...

3 Nodes

EDITION

MongoDB 4.2.11 Enterprise

Filter your data

- sample_grocery
- sample_mflix
- comments
- movies
- sessions
- theaters
- users
- sample_restaurants
- sample_supplies

sample_mflix.movies Documents

DOCUMENTS 23.5k TOTAL SIZE 35.9MB AVG. SIZE 1.6KB INDEXES 2 TOTAL SIZE 13.2MB AVG. SIZE 6.6MB

Documents Aggregations Schema Explain Plan Indexes Validation

④ FILTER

④ PROJECT {title:1, num_mflix_comments: 1}

④ SORT {num_mflix_comments:-1}

④ COLLATION

④ MAXTIMES 5000

④ SKIP 0

④ LIMIT 5

FIND RESET ...

VIEW

Displaying documents 1 - 5 of 5

REFRESH

```
{
  "_id": ObjectId("573a1399f29313caabcee886"),
  "title": "The Mask",
  "num_mflix_comments": 456
},
{
  "_id": ObjectId("573a1399f29313caabcee578"),
  "title": "Dumb & Dumber",
  "num_mflix_comments": 450
},
{
  "_id": ObjectId("573a13bff29313caabd6001f"),
  "title": "The Unborn",
  "num_mflix_comments": 447
},
{
  "_id": ObjectId("573a13a5f29313caabd159a9"),
  "title": "About a Boy",
  "num_mflix_comments": 441
}
```