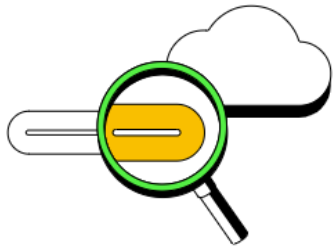


Creacio base de dades

Creo la nova connexió i la nombro « app cine ».



Welcome to MongoDB Compass

To get started, connect to an existing server or

+ Add new connection

New to Compass and don't have a cluster?

If you don't already have a cluster, you can create one for free using [MongoDB Atlas](#)

CREATE FREE CLUSTER

New Connection

Manage your connection settings

URI ⓘ

Edit Connection String ☒

mongodb://localhost:27017/

Name

app cine

Color

No Color

☐ Favorite this connection

Favoriting a connection will pin it to the top of your list of connections

> Advanced Connection Options

Cancel

Save

Connect

Save & Connect

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect. [See example](#)

How do I format my connection string?

[See example](#)

CONNECTIONS (1)

Search connections

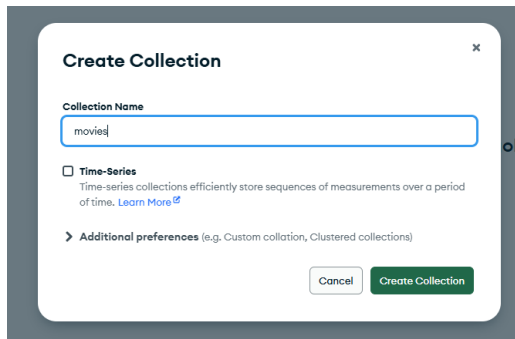
▼ app cine

▶ admin

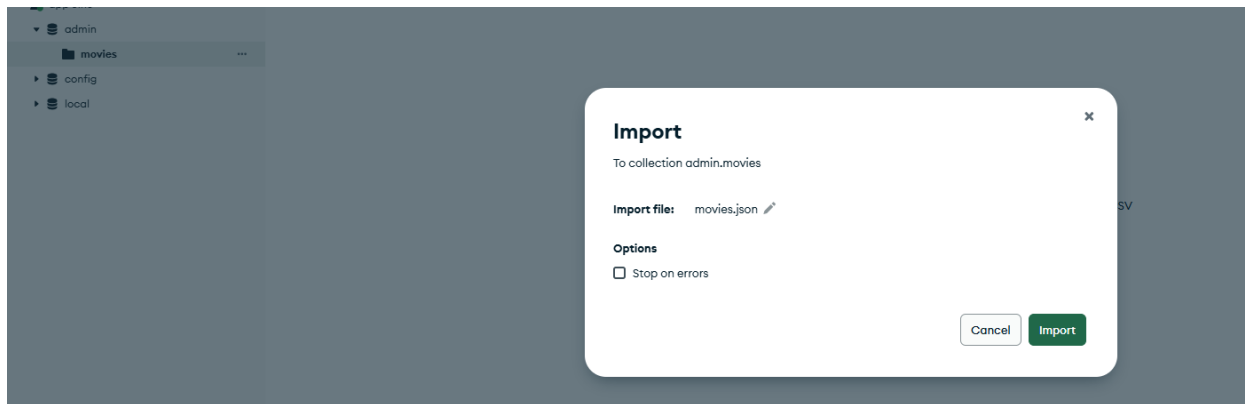
▶ config

▶ local

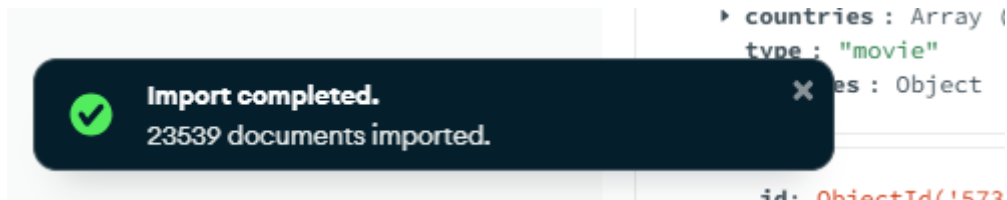
Creo la col·leccio “movies” i importo el fitxier JSON relacionat.



A dialog box titled "Create Collection" with a close button (X) in the top right corner. It contains a text input field labeled "Collection Name" with the word "movies" entered. Below the input field, there is a checkbox labeled "Time-Series" with a description: "Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)". At the bottom, there is a section for "Additional preferences" with a right-pointing arrow and a description: "(e.g. Custom collation, Clustered collections)". At the bottom right, there are two buttons: "Cancel" and "Create Collection".



A dialog box titled "Import" with a close button (X) in the top right corner. It shows the target collection as "To collection admin.movies". Below this, the "Import file:" is set to "movies.json" with a file icon. Under the "Options" section, there is a checkbox labeled "Stop on errors". At the bottom right, there are two buttons: "Cancel" and "Import".



A dark blue notification banner with a green checkmark icon on the left. The text inside the banner reads: "Import completed. 23539 documents imported." In the background, there is a JSON document structure visible:

```
▶ countries : Array (
  type : "movie"
  ...
  id : ObjectId('573
```

Faig ho mateix pels altres 4 col·leccions donades: “users”, “theaters”, “sessions” i “comments”

The image displays four sequential screenshots of the MongoDB Compass interface, each showing the successful import of data into a specific collection. Each screenshot includes a left sidebar with a database tree, a central panel with a search bar and a list of documents, and a bottom status bar indicating the import results.

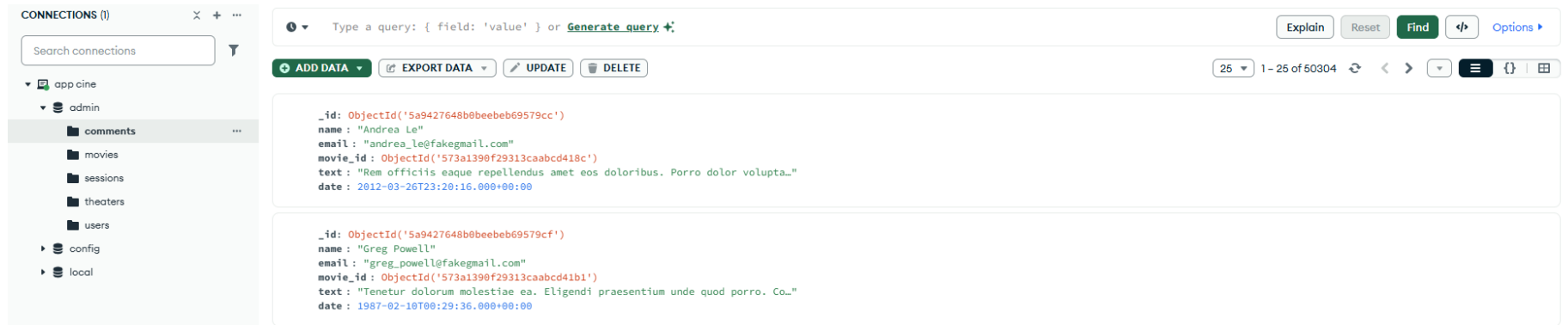
- First Screenshot:** The 'sessions' collection is selected. The status bar shows 'Import completed. 1564 documents imported.'
- Second Screenshot:** The 'users' collection is selected. The status bar shows 'Import completed. 1 document imported.'
- Third Screenshot:** The 'comments' collection is selected. The status bar shows 'Import completed. 185 documents imported.'
- Fourth Screenshot:** The 'movies' collection is selected. The status bar shows 'Import completed. 50304 documents imported.'

Each document preview in the central panel shows fields such as `_id`, `name`, `email`, `password`, `text`, `date`, `movie_id`, `theater_id`, and `location`.

Nivell 1 – Exercici 1

1) Mostra els 2 primers comentaris que hi ha en la base de dades.

Es poden veure directament a través de l'interfície de MongoDB Compass seleccionant la col·lecció "comments" importada i mirant el camp "text" dels dos primers documents.



També, es pot fer una consulta a la pestanya "Schema" (aquí generanda amb la ajuda de la AI des de una consulta SQL).

✦ SELECT text FROM comments LIMIT 2

✕ Generate

📁

\$project

\$limit

💡

Explain

Export

Run

Options ▶

Untitled – modified

💾 SAVE

+ CREATE NEW

🔗 EXPORT TO LANGUAGE

PREVIEW

STAGES

TEXT

WIZARD

⚙️

Stage 1 \$project

🔍

⋮

```
1 {
2   text: 1,
3   _id: 0
4 }
```

Output preview after \$project stage (Sample of 10 documents)

text : "Rem officiis eaque repellendus amet
eos doloribus. Porro dolor volupta..."

text : "Tenetur dolorum molestiae ea.
Eligendi praesentium unde quod
Co..."

+

Stage 2 \$limit

🔍

⋮

```
1 2
```

Output preview after \$limit stage (Sample of 2 documents)

text : "Rem officiis eaque repellendus amet
eos doloribus. Porro dolor volupta..."

text : "Tenetur dolorum molestiae ea.
Eligendi praesentium unde quod
Co..."

Stage Wizard

🔍 Search for a Stage

Find all the documents that match one or more conditions \$MATCH

Group my documents based on their field values \$GROUP

Compute values within the groups I create \$GROUP

Return a subset of values based on their order or rank \$GROUP

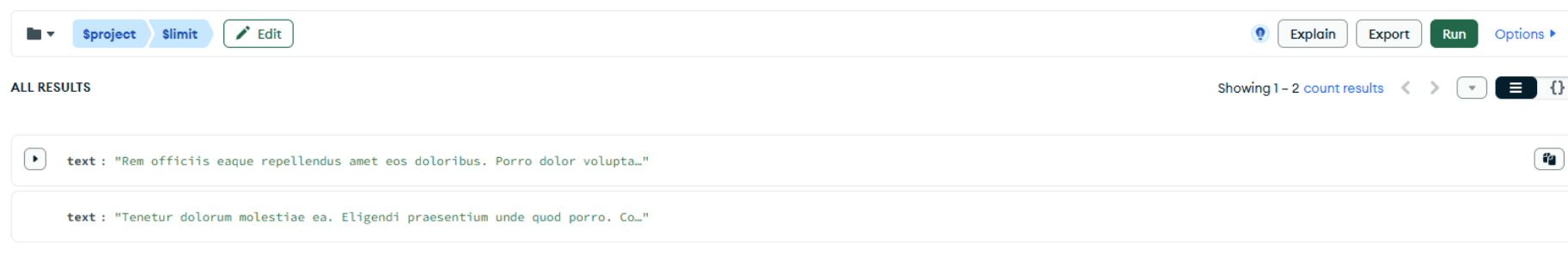
Include or exclude a subset of fields from my documents \$PROJECT

Sort documents based on a single or set of fields \$SORT

Join documents from different collections to compare their field values \$LOOKUP

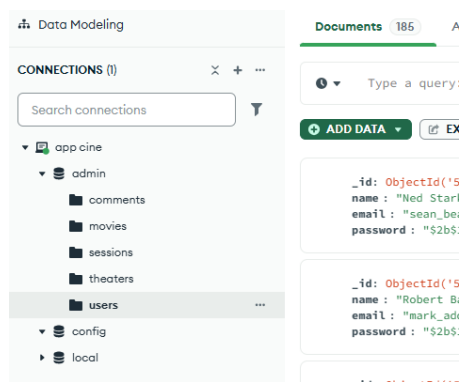
Search for a text field across all documents in a collection \$SEARCH

El result es aquest, el mateix que la lectura directa des de la consola de MongoDB Compass:



2) Quants usuaris tenim registrats?

Hem d'usar la col·lecció "users". Des de a consola, poden veure que hi ha 185 documents de usuaris creats en la nostra base de dades.



Creant un índex compost entre els camps "email" i "name" amb la propietat unica, poden verificar si hi ha usuaris duplicats. Ja que el sistema accepta la creacio del índex, no hi ha duplicats entre els 185 documents.

Create Index

admin.users

Index fields

email

-1 (desc)

+

-

name

-1 (desc)

+

-

Options

☒ Create unique index

A unique index ensures that the indexed fields do not store duplicate values; i.e. enforces uniqueness for the indexed fields.

☐ Index name

Enter the name of the index to create, or leave blank to have MongoDB create a default name for the index.

☐ Create TTL

TTL indexes are special single-field indexes that MongoDB can use to automatically remove documents from a collection after a certain amount of time or at a specific clock time.

☐ Partial Filter Expression

Partial indexes only index the documents in a collection that meet a specified filter expression.

☐ Wildcard Projection

Wildcard indexes support queries against unknown or arbitrary fields.

☐ Use Custom Collation

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

Cancel

Create Index

Documents 185

Aggregations

Schema

Indexes 2

Validation

Create Index

Refresh

VIEWING INDEXES SEARCH INDEXES

Name & Definition	Type	Size	Usage	Properties	Status
> _id_	REGULAR ⓘ	20.5 kB	2 (since Mon Nov 24 2025)	UNIQUE ⓘ	READY
▼ email_-1_name_-1	REGULAR ⓘ	28.7 kB	0 (since Mon Nov 24 2025)	UNIQUE ⓘ COMPOUND ⓘ	READY
email ↓ name ↓					

3) Quants cinemes hi ha en l'estat de Califòrnia?

Necessitem una agregació a la col·lecció “theaters” per contestar aquesta pregunta. Hem de usar la pestanya “Aggregations” amb dos etapes (“stages”): un MATCH i un COUNT. Encontrem 169 cinemes en Califòrnia, sempre que tots els registres siguin sans i únics.

Data Modeling

CONNECTIONS (1)

Search connections

▼ app cine

▼ admin

comments

movies

sessions

theaters

users

▼ config

local

Documents 1.6K

Aggregations

Schema

Indexes 1

Validation

Tell us what aggregation to build (e.g. count movies made each year) or paste one in another language (SQL, Java, etc.)

Generate

\$match

\$count

Explain

Export

Run

Options

Untitled - modified

SAVE

+ CREATE NEW

EXPORT TO LANGUAGE

PREVIEW

STAGES

TEXT

WIZARD

1 {

2 "location.address.state": "CA"

3 }

Output preview after \$match stage (Sample of 10 documents)

_id: ObjectId('59a47286cfa9a3a73e51e72e')

theaterId: 1008

location: Object

_id: ObjectId('59a47286cfa9a3a73e51e734')

theaterId: 1009

location: Object

_id: ObjectId('59a47286cfa9a3a73e51e7')

theaterId: 1018

location: Object

Stage 2 \$count

1 "state_CA_count"

Output preview after \$count stage (Sample of 1 document)

state_CA_count: 169

+ Add stage

Learn more about aggregation pipeline stages

FR Français (France)

Aide

Search connections

▼ app cine

▼ admin

comments

movies

sessions

theaters

users

▼ config

local

ALL RESULTS

Showing 1 - 1 count results

totalTheatersInCA: 169

4) Quin va ser el primer usuari/ària en registrar-se?

La base de dades no permet contesta aquesta pregunta. No hi ha dada temporal associada al registre dels usuaris.

L'únic dada temporal de la base de dades es associada a l'hora de la publicació dels comments. Podem cercar qui va ser el primer a publicar un comentari a través de una consulta de organització i filtre de les dades, cosa que ens donarà l'informació que va ser "Mercedes Tyler". Però això no està directament relacionat amb la pregunta.

The screenshot shows the MongoDB Compass interface with an aggregation pipeline. The pipeline consists of two stages: `$sort` and `$limit`. The `$sort` stage is set to sort by `date` in ascending order. The `$limit` stage is set to limit the results to 1 document. The output preview for the `$sort` stage shows a sample of 10 documents, with the first document being the one selected by the `$limit` stage. The output preview for the `$limit` stage shows the single document selected.

Untitled - modified [SAVE](#) [+ CREATE NEW](#) [EXPORT TO LANGUAGE](#)

1 {
2 date: 1
3 }

Output preview after `$sort` stage (Sample of 10 documents)

```
{  
  "_id": ObjectId('5a9427648b0beebe695e67e'),  
  "name": "Mercedes Tyler",  
  "email": "mercedes_tyler@fakegmail.com",  
  "movie_id": ObjectId('573a1399f29313caabcec3c...'),  
  "text": "Optio totam dolores magni. Enim  
           ratione fuga tempora voluptatum est  
           cu..."  
  "date": 1970-01-01T01:07:09.000+00:00  
}
```

Output preview after `$limit` stage (Sample of 1 document)

```
{  
  "_id": ObjectId('5a9427648b0beebe695e67e'),  
  "name": "Mercedes Tyler",  
  "email": "mercedes_tyler@fakegmail.com",  
  "movie_id": ObjectId('573a1399f29313caabcec3c...'),  
  "text": "Optio totam dolores magni. Enim  
           ratione fuga tempora voluptatum est  
           cu..."  
  "date": 1970-01-01T01:07:09.000+00:00  
}
```

[+ Add stage](#)

[Learn more about aggregation pipeline stages](#)

FF

5) Quantes pel·lícules de comèdia hi ha en la nostra base de dades?

Necessitem una agregació a la col·lecció “movies” per contestar aquesta pregunta. Hem de usar la pestanya “Aggregations” amb dos etapes (“stages”): un MATCH i un COUNT. Trobem que 7024 pel·lícules estan categoritzats com a comèdia, ja sea sola o entre altres generos que s'han assignat a la pel·lícula, sempre que tots els registres siguin sans i únics.

[\\$match](#)[\\$count](#)

Untitled - modified

SAVE

[+ CREATE NEW](#)[<> EXPORT TO LANGUAGE](#)

```
1 {  
2   genres: "Comedy"  
3 }
```

Output preview after [\\$match](#) stage (Sample of 10 documents)

```
_id: ObjectId('573a1390f29313caabcd4803')  
plot: "Cartoon figures announce, via comic  
      strip balloons, that they will mov..."  
▶ genres: Array (3)  
  runtime: 7  
▶ cast: Array (1)  
num_mflix_comments: 1  
poster: "https://m.media-  
        amazon.com/images/M/MV5BYzg2NjNhNT..."
```

```
_id: ObjectId('573a1390f29313caabcd50')  
plot: "The cartoonist, Winsor McCay,  
      the Dinosaur back to life in  
▶ genres: Array (3)  
  runtime: 12  
▶ cast: Array (3)  
num_mflix_comments: 1  
poster: "https://m.media-  
        amazon.com/images/M/MV5BMTQxN..."
```



▼ Stage 2

[\\$count](#)

```
1 "comedy_movie_count"
```

Output preview after [\\$count](#) stage (Sample of 1 document)

```
comedy_movie_count: 7024
```

[+ Add stage](#)[Learn more about aggregation pipeline stages](#)

Nivell 1 – Exercici 2

Mostra'm tots els documents de les pel·lícules produïdes en 1932, però que el gènere sigui drama o estiguin en francès.

Hem d'usar la col·lecció "movies". La consulta retorna 18 pel·lícules (visible al recompte de la finestra de resultats a la part superior dreta, davant de la menció "ALL RESULTATS"). Hem d'utilitzar una clàusula MATCH amb una clàusula OR i no "COUNT" aquí per que volien veure tots els documents.

The screenshot shows the MongoDB Compass interface. On the left, the 'movies' collection is selected. The main area displays a query and its results.

Query:

```
1 {
2   year: 1932,
3   $or: [
4     {
5       genres: "Drama"
6     },
7     {
8       languages: "France"
9     }
10  ]
11 }
```

Preview of documents:

- `_id: ObjectId('573a1390f29313caabdc4135')`
`plot: "Three men hammer on an anvil and pass a bottle of beer around."`
`genres: Array (1)`
`runtime: 1`
`cast: Array (2)`
`0: "Charles Kayser"`
`1: "John Ott"`
- `_id: ObjectId('573a1390f29313caabdc42e8')`
`plot: "A group of bandits stage a brazen train hold-up, only to find a determ_"`
`genres: Array (2)`
`runtime: 11`
`cast: Array (4)`
`poster: "https://m.media-amazon.com/images/M/MV5BNTQ1NTMzMt...`
- `_id: ObjectId('573a1390f29313caabdc4323')`
`plot: "A young boy, oppressed by his mother, goes on an outing in the country _"`
`genres: Array (3)`
`runtime: 14`
`rated: "UNRATED"`
`cast: Array (4)`
`num_mflix_comments: 2`
- `_id: ObjectId('573a1390f29313caabdc446')`
`plot: "A greedy tycoon decides, on a i to corner the world market in w"`
`genres: Array (2)`
`runtime: 14`
`cast: Array (4)`
`num_mflix_comments: 1`
`title: "A Corner in Wheat"`

Output preview after \$match stage (Sample of 10 documents):

- `_id: ObjectId('573a1392f29313caabdc99a3')`
`plot: "Junta is hated by the people in the village where she lives, especiall_"`
`genres: Array (3)`
`runtime: 85`
`cast: Array (4)`
`poster: "https://m.media-amazon.com/images/M/MV5BNTQ1NTMzMt...`
`title: "The Blue Light"`
- `_id: ObjectId('573a1392f29313caabdc99e3')`
`plot: "A young French soldier in World War I is overcome with guilt when he k_"`
`genres: Array (1)`
`runtime: 76`
`cast: Array (4)`
`num_mflix_comments: 2`
`poster: "https://m.media-amazon.com/images/M/MV5BVzJlMDZjM2...`
- `_id: ObjectId('573a1392f29313caabdc99a9a')`
`plot: "Famous motor-racing champion J Greer returns to his hometown t comp_"`
`genres: Array (2)`
`runtime: 85`
`cast: Array (4)`
`num_mflix_comments: 1`
`poster: "https://m.media-`

At the bottom, there is a button to 'Add stage' and a link to 'Learn more about aggregation pipeline stages'.

\$match

Edit

Explain

Export

Run

Options

ALL RESULTS

Showing 1 - 18 of 18

_id: ObjectId('573a1391f29313caabcd9458')

plot: "A young artist draws a face at a canvas on his easel. Suddenly the mou..."

runtime: 55

rated: "UNRATED"

cast: Array (4)

num_mflix_comments: 1

poster: "https://m.media-amazon.com/images/M/MV5BYWY3ODESZWEtYjlmYi00NjA4LTk4ZW..."

title: "The Blood of a Poet"

lastupdated: "2015-09-16 13:13:05.537000000"

languages: Array (1)

released: 2010-05-20T00:00:00+00:00

directors: Array (1)

writers: Array (1)

awards: Object

year: 1932

imdb: Object

countries: Array (1)

type: "movie"

tomatoes: Object

_id: ObjectId('573a1392f29313caabcd99a3')

plot: "Junta is hated by the people in the village where she lives, especiall..."

genres: Array (3)

runtime: 85

cast: Array (4)

poster: "https://m.media-amazon.com/images/M/MV5BNTQ1NTMzMtQT0tODIyYS00MTAxLWE1NT..."

title: "The Blue Light"

fullplot: "Junta is hated by the people in the village where she lives, especiall..."

languages: Array (2)

released: 1934-05-08T00:00:00+00:00

directors: Array (2)

writers: Array (2)

awards: Object

lastupdated: "2015-08-03 01:02:12.350000000"

year: 1932

imdb: Object

countries: Array (1)

type: "movie"

Nivell 1 – Exercici 3

Mostra'm tots els documents de pel·lícules estatunidenques que tinguin entre 5 i 9 premis que van ser produïdes entre 2012 i 2014.

Hem d'usar la col·lecció "movies". La consulta retorna 166 pel·lícules (visible al recompte de la finestra de resultats a la part superior dreta, davant de la menció "ALL RESULTATS"). Hem d'utilitzar una clàusula MATCH amb una clàusula AND (implícita aquí) i cap "COUNT" per que volien veure tots els documents.

The screenshot shows the MongoDB Compass interface. On the left is a sidebar with a search bar and a tree view of collections: 'app.cine' (containing 'admin', 'comments', 'movies', 'sessions', 'theaters', 'users'), 'config', and 'local'. The 'movies' collection is selected.

The main area displays a query in the 'Stage1' tab: `$match`. The query is:

```
1 {
2   countries: "USA",
3   "awards.wins": {
4     $gte: 5,
5     $lte: 9
6   },
7   year: {
8     $gte: 2012,
9     $lte: 2014
10  }
11 }
```

Below the query, there is a section titled 'Output preview after \$match stage (Sample of 10 documents)'. It shows four document snippets:

- Document 1: `{ "_id": ObjectId('573a1390f29313caabdc4135'), "plot": "Three men hammer on an anvil and pass a bottle of beer around.", "genres": Array (1), "runtime": 1, "cast": Array (2) ["Charles Kayser", "John Ott"] }`
- Document 2: `{ "_id": ObjectId('573a1390f29313caabdc42e8'), "plot": "A group of bandits stage a brazen train hold-up, only to find a determ...", "genres": Array (2), "runtime": 11, "cast": Array (4), "poster": "https://m.media-..." }`
- Document 3: `{ "_id": ObjectId('573a1390f29313caabdc4323'), "plot": "A young boy, oppressed by his mother, goes on an outing in the country ...", "genres": Array (3), "runtime": 14, "rated": "UNRATED", "cast": Array (4), "num_mflix_comments": 2 }`
- Document 4: `{ "_id": ObjectId('573a1390f29313caabdc446'), "plot": "A greedy tycoon decides, on a ... to corner the world market in w...", "genres": Array (2), "runtime": 14, "cast": Array (4), "num_mflix_comments": 1, "title": "A Corner in Wheat" }`

At the bottom, there is a button '+ Add stage' and a link 'Learn more about aggregation pipeline stages'.

Smatch

Edit

?

Explain

Export

Run

Options

ALL RESULTS

Showing 1 – 20 of 166

```
_id: ObjectId('573a13acf29313caabd29366')
fullplot: "The manager of the negative assets sector of Life magazine, Walter Mit..."
> imdb: Object
  year: 2013
  plot: "When his job along with that of his co-worker are threatened, Walter t..."
> genres: Array (3)
  rated: "PG"
  metacritic: 54
  title: "The Secret Life of Walter Mitty"
  lastupdated: "2015-08-31 00:10:51.747000000"
> languages: Array (3)
> writers: Array (3)
  type: "movie"
> tomatoes: Object
  poster: "https://m.media-amazon.com/images/M/MV5BODYwNDYxNDk1N15BMl5BanBnXkFtZT..."
  num_mflix_comments: 1
  released: 2013-12-25T00:00:00.000+00:00
> awards: Object
> countries: Array (2)
> cast: Array (4)
> directors: Array (1)
runtime: 114
```

```
_id: ObjectId('573a13b5f29313caabd45772')
plot: "After their cave is destroyed, a caveman family must trek through an u..."
> genres: Array (3)
runtime: 98
metacritic: 55
rated: "PG"
> cast: Array (4)
poster: "https://m.media-amazon.com/images/M/MV5BMTcyOTc2OTA1Ml5BMl5BanBnXkFtZT..."
title: "The Croods"
fullplot: "The Croods is a prehistoric comedy adventure that follows the world's ..."
> languages: Array (1)
released: 2013-03-22T00:00:00.000+00:00
> directors: Array (2)
> writers: Array (5)
> awards: Object
lastupdated: "2015-09-10 17:45:48.560000000"
```

Nivell 2 – Exercici 1

Compte quants comentaris escriu un usuari/ària que utilitza "GAMEOFTHRON.ES" com a domini de correu electrònic.

Hem d'usar la col·lecció "users". Després d'una primera recerca pel domini de correu electrònic tenint en compte les possibles opcions de majúscules/minúscules, trobem que hi ha 83 usuaris que utilitzen el domini de correu electrònic "GAMEOFTHRON.ES" que han escrit comentaris i, per tant, tenen registres a la col·lecció de comentaris.

The screenshot shows the MongoDB Atlas aggregation pipeline editor. The left sidebar displays the database structure with collections: admin, comments, movies, sessions, theaters, and users. The main workspace shows two stages:

Stage 1: \$match

```
1 {
2   email: {
3     $regex: "@gameofthron.es$",
4     $options: "i"
5   }
6 }
```

Output preview after \$match stage (Sample of 10 documents):

_id	name	email	movie_id	text	date
ObjectId('5a9427648b0beeb69579d0')	Talisa Maegyr	oona_chaplin@gameofthron.es	ObjectId('573a1390f29313caab41b...')	"Rem itaque ad sit rem voluptatibus. Ad fugiat maxime illum optio iure ..."	1998-08-22T11:45:03.000+00:00
ObjectId('5a9427648b0beeb69579d5')	Petyr Baelish	aidan_gillen@gameofthron.es	ObjectId('573a1390f29313caab421...')	"Quo deserunt ipsam ipsum. Tenetur eos nemo nam sint praesentium minus ..."	2001-07-13T19:25:09.000+00:00
ObjectId('5a9427648b0beeb69579d9')	Ollivander	brenock_oconnor@gameofthron.es	ObjectId('573a1390f29313caab421...')	"Perspiciatis sit pariatur quas Perferendis officia harum ipsum deleni ..."	2005-01-04T13:49:05.000+00:00

Stage 2: \$group

```
1 {
2   _id: "$email",
3   commentCount: {
4     $sum: 1
5   }
6 }
```

Output preview after \$group stage (Sample of 10 documents):

_id	commentCount
"thomas_brodie-sangster@gameofthron.es"	258
"rory_mccann@gameofthron.es"	280
"rose_leslie@gameofthron.es"	273

CONNECTIONS (1)

Search connections

▼ app.cine

▼ admin

comments

movies

sessions

theaters

users

▶ config

▶ local

\$match \$group Edit

Explain Export Run Options

ALL RESULTS

Showing 1 - 20 of 83

_id: "amrita_acharia@gameofthron.es"

commentCount : 249

_id: "faye_marsay@gameofthron.es"

commentCount : 276

_id: "ron_donachie@gameofthron.es"

commentCount : 305

_id: "peter_vaughan@gameofthron.es"

commentCount : 280

_id: "sophie_turner@gameofthron.es"

commentCount : 308

_id: "daniel_portman@gameofthron.es"

commentCount : 262

_id: "luke_barnes@gameofthron.es"

commentCount : 281

_id: "harry_lloyd@gameofthron.es"

commentCount : 285

_id: "tom_wlaschiha@gameofthron.es"

commentCount : 273

_id: "jason_momoa@gameofthron.es"

commentCount : 276

FR Français (France) Aide

Modifiquem la consulta per fer un compte del total d'aquests commentaris. Trobem un total de 22841.

Search connections

▼ app cine

▼ admin

comments

movies

sessions

theaters

users

config

local

\$match

\$count

Untitled - modified

SAVE

+ CREATE NEW

EXPORT TO LANGUAGE

PREVIEW

STAGES

TEXT

WIZARD

Stage 1

\$match

1 {

2 email: {

3 \$regex: "@gameofthron.es\$",

4 \$options: "i"

5 }

6 }

Output preview after \$match stage (Sample of 10 documents)

_id: ObjectId('5a9427648b0beeb69579d0')

name: "Talisa Maegyr"

email: "oona_chaplin@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd41b...')

text: "Rem itaque ad sit rem voluptatibus. Ad fugiat maxime illum optio iure ..."

date: 1998-08-22T11:45:03.000+00:00

_id: ObjectId('5a9427648b0beeb69579d5')

name: "Petyr Baelish"

email: "aidan_gillen@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd421...')

text: "Quo deserunt ipsam ipsum. Tenetur eos nemo nam sint praesentium minus ..."

date: 2001-07-13T19:25:09.000+00:00

_id: ObjectId('5a9427648b0beeb69579d9')

name: "Olly"

email: "brenock_o'connor@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd422...')

text: "Perspiciatis sit pariatur quas Perferendis officia harum ipsum delenit ..."

date: 2005-01-04T13:49:05.000+00:00

Stage 2

\$count

1 "total_comments"

Output preview after \$count stage (Sample of 1 document)

total_comments: 22841

Search connections

▼ app cine

▼ admin

comments

movies

sessions

theaters

users

config

local

\$match

\$count

EDIT

ALL RESULTS

Showing 1 - 1 count results

total_comments: 22841

Nivell 2 – Exercici 2

Quants cinemes hi ha en cada codi postal situats dins de l'estat Washington D. C. (DC)?

Hem d'usar la col·lecció "theaters". Son 3 en total.

The screenshot displays the Mongoose Studio interface for a database named 'app cine'. The left sidebar shows a collection tree with 'theaters' selected. The main workspace shows a query pipeline with two stages: '\$match' and '\$count'.

Stage 1: \$match

```
1 {
2   "location.address.state": "DC"
3 }
```

Output preview after \$match stage (Sample of 3 documents):

- `{ _id: ObjectId('59a47286cfa9a3a73e51e785'), theaterId: 1892, location: Object }`
- `{ _id: ObjectId('59a47287cfa9a3a73e51ec33'), theaterId: 801, location: Object }`
- `{ _id: ObjectId('59a47287cfa9a3a73e51ec34'), theaterId: 8500, location: Object }`

Stage 2: \$count

```
1 "totalTheatersInDC"
```

Output preview after \$count stage (Sample of 1 document):

```
{ totalTheatersInDC : 3 }
```

The bottom section shows the 'ALL RESULTS' tab with the final count result:

```
{ totalTheatersInDC : 3 }
```

Navigation and utility buttons like 'Explain', 'Export', 'Run', and 'Options' are visible at the top and bottom of the workspace.

Nivell 3 – Exercici 1

Troba totes les pel·lícules dirigides per John Landis amb una puntuació IMDb (Internet Movie Database) d'entre 7,5 i 8.

Hem d'usar la col·lecció "movies". Son 4 en total (visible tant a la mostra ja que només mostra una mostra de 10 resultats i també al recompte de la finestra de resultats a la part superior dreta, davant de la menció "ALL RESULTATS").

The screenshot shows the MQL5 Editor interface. On the left is a sidebar with a search bar and a tree view containing folders like 'app cine', 'admin', 'comments', 'movies', 'sessions', 'theaters', 'users', 'config', and 'local'. The 'movies' folder is selected.

The main workspace is divided into several sections:

- Top Bar:** Includes buttons for 'Explain', 'Export', 'Run', and 'Options'. Below these are tabs for 'PREVIEW', 'STAGES', 'TEXT', and 'WIZARD'. The 'STAGES' tab is active.
- Stage 1:** A dropdown menu shows '\$match' and a toggle switch is turned on. Below it is a code editor with the following JSON query:

```
1 {  
2   directors: "John Landis",  
3   "imdb.rating": {  
4     $gte: 7.5,  
5     $lte: 8  
6   }  
7 }
```
- Preview of documents:** A section showing a sample of 4 documents. Each document is a JSON object with fields like 'title', 'fullplot', 'countries', 'released', 'directors', 'rated', '_id', 'genres', 'runtime', 'cast', and 'num_mflix_comments'.
- Output preview after \$match stage (Sample of 4 documents):** A section showing the results of the query. It displays a sample of 4 documents that match the criteria. Each document is a JSON object with fields like '_id', 'fullplot', 'imdb', 'year', 'plot', 'genres', 'runtime', 'rated', 'cast', and 'num_mflix_comments'.

At the bottom center, there is a green button labeled '+ Add stage'.

CONNECTIONS (1)

Search connections

app cine

admin

comments

movies

sessions

theaters

users

config

local

\$match

Edit

Explain

Export

Run

Options

ALL RESULTS

Showing 1 – 4 of 4

_id: ObjectId('573a1397f29313caabce6d94')

fullplot: "Faber College has one frat house so disreputable it will take anyone. ..."

indb: Object

year: 1978

plot: "At a 1962 college, Dean Vernon Wormer is determined to expel the entire..."

genres: Array (1)

rated: "R"

metacritic: 82

title: "Animal House"

lastupdated: "2015-09-13 00:02:47.803000000"

languages: Array (2)

writers: Array (3)

type: "movie"

tomatoes: Object

poster: "https://m.media-amazon.com/images/M/MV5BM2N2ZDA4MTYtOGRjMi00OTg5LWI1ZT..."

num_mflix_comments: 1

released: 1978-07-28T00:00:00.000+00:00

awards: Object

countries: Array (1)

cast: Array (4)

directors: Array (1)

runtime: 109

_id: ObjectId('573a1397f29313caabce76f7')

plot: "Jake Blues, just out from prison, puts together his old band to save t..."

genres: Array (3)

runtime: 133

rated: "R"

cast: Array (4)

num_mflix_comments: 1

poster: "https://m.media-amazon.com/images/M/MV5BYTdIMDExOGUtN2I3MS00MjY5LWE1NT..."

title: "The Blues Brothers"

fullplot: "After the release of Jake Blues from prison, he and brother Elwood go ..."

languages: Array (1)

released: 1980-06-20T00:00:00.000+00:00

directors: Array (1)

writers: Array (2)

awards: Object

Mostra en un mapa la ubicació de tots els teatres de la base de dades.

Aquí es 😊

Data Modeling

CONNECTIONS (1)

Search connections

▼ app cine

▼ admin

comments

movies

sessions

theaters

users

▶ config

▶ local

Documents1.6K

Aggregations

Schema

Indexes1

Validation

✦

return a count of all the theaters located in the state DC

✕

Generate

🕒

Type a query: { field: 'value' }

Reset

Analyze

↩

Options

EXPORT SCHEMA

This report is based on a sample of 1000 documents. [Learn more](#)

▶ address

document

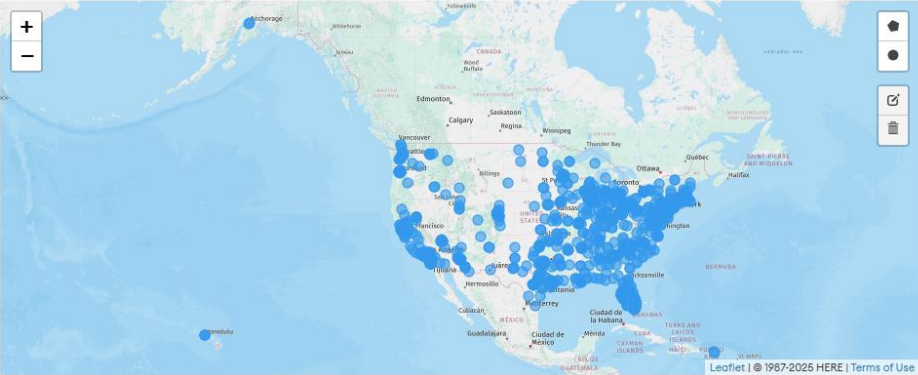
Document with 5 nested fields.

▶ geo

coordinates

+

-



🏠

●

📄

🗑️

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theaterid

int32

↺

1447

2778

291

8177

2539

1480

44

1095

2741

1928

2929

2759

945

2893

1004

1093

2922

420

1028

8915