MongoDB Indizes Sneak Preview

Intro zu MongoDB Indizes und Compass



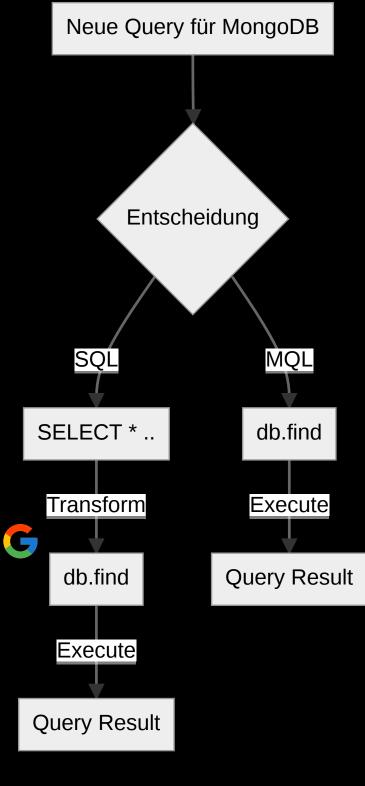
Eine **Sneak Preview** oder kurz **Sneak** ist eine unangekündigte Filmvorführung (Vorschau) vor dem offiziellen Release [...].

"

Wikipedia: Sneak Preview



SQL Bias







MQL: MongoDB Query Language MQL



Plan

- Features von MongoDB Compass vorstellen
- Single Field Indizes
- Compound Indizes
- Covered Queries 💡 🚀 🥍











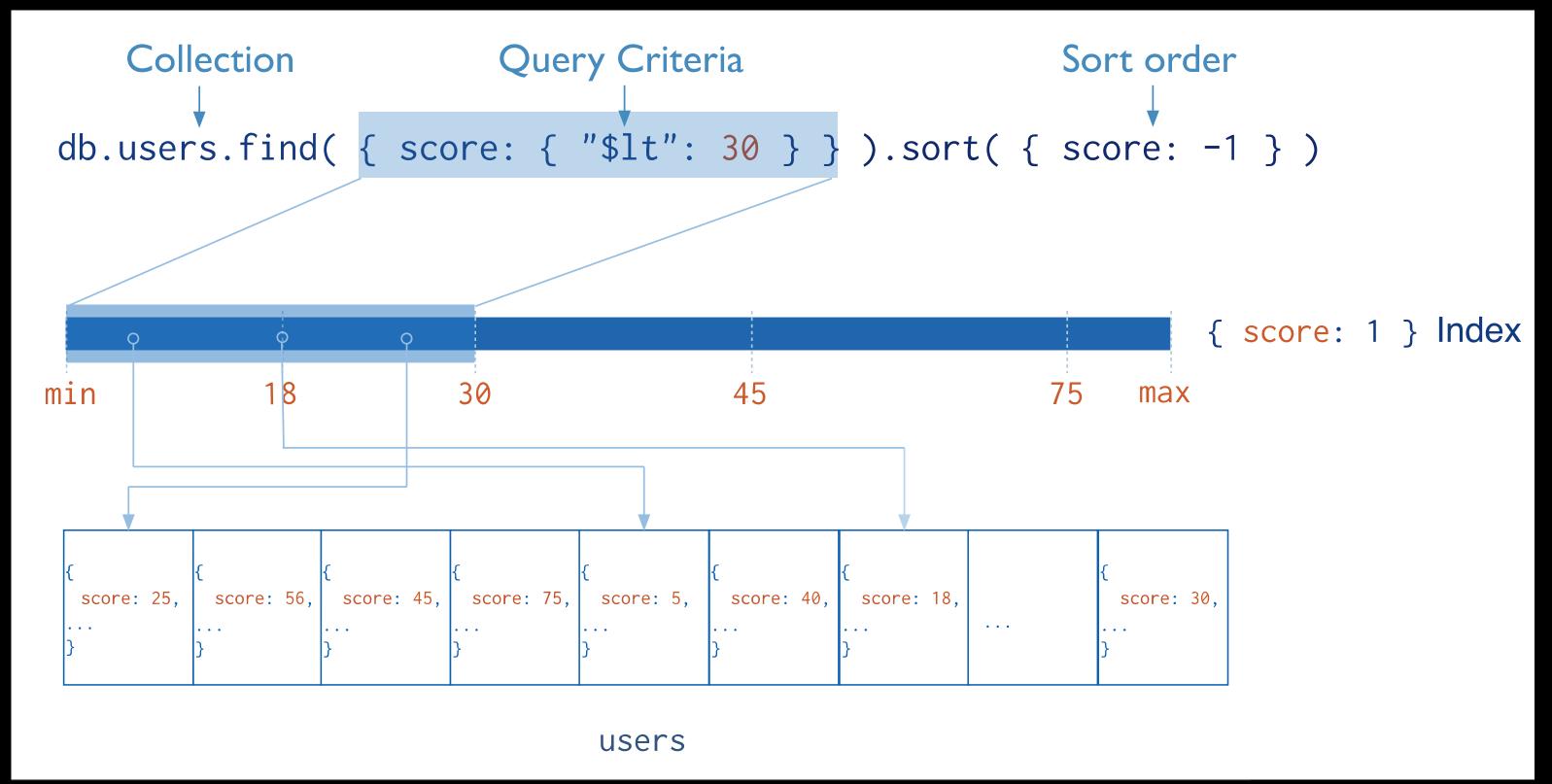
MongoDB Compass •

- GUI für den Zugriff auf MongoDB
- Vollversion frei verfügbar [1]
- Realtime Performance Tab [2]
- CRUD Funktionalität [3]
- Aggregation Pipeline Builder [4]

- 1. MongoDB Compass is now free for all!
- 2. MongoDB Compass Performance Tab
- 3. Capabilities of Compass Editions



Datenbankindex kurz erklärt [1]





Nutzt die Query den Index?

- schnelle Ausführung
- geringe Ressourcenauslastung (Disk, CPU, ...)
- Performance Advisor zeigt keine 🔔
- Query Plan analysieren
 - explain()

AirBnB Dataset [1]

```
json
"_id": "10006546",
"listing_url": "https://www.airbnb.com/rooms/10006546",
"name": "Ribeira Charming Duplex",
"property_type": "House",
"room_type": "Entire home/apt",
"bed_type": "Real Bed",
"minimum_nights": "2",
"cancellation_policy": "moderate",
"last_scraped": {
 "$date": {
   "$numberLong": "1550293200000"
"address": {
  "country": "Portugal",
```



```
Defito Marks Milling July
- Olderion (datasetsWithSubject) {
   if (datasetsWithSubject.length > 0) {
      subjectAverage = 0;
     datasetsWithSubjectLength = datasetsWithSu
     datasetsWithSubject.forEach((dataset)
       subjectAverage += parseFloat(dataset[
     );
    subjectAverage =
```

Danke!

- Sample AirBnB Listings Dataset Daten von Inside Airbnb
- github.com/Felixel42/mongodb-indexes-sneak-preview
- Set up database & demo
- ② Erklärvideo zum Verständnis von explain() ◆

