

Load three data sets successfully in three collection in MongoDB

localhost:27017
Community version 3.4.2
3 DBS 5 COLLECTIONS
filter
admin
local
startup_log
moviesdb
Rating
movies
movies_ratings
tags

COLLECTIONS

CREATE COLLECTION

Collection Name ^	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	
Rating	10,000,054	100.1 B	954.6 MB	1	86.6 MB	
movies	10,681	105.9 B	1.1 MB	1	96.0 KB	
movies_ratings	10,681	94.4 KB	985.1 MB	1	120.0 KB	
tags	95,580	107.5 B	9.8 MB	1	768.0 KB	

Movies collection

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moviesdb.movies

DOCUMENTS 10.7k total size 1.2MB avg. size 120B INDEXES 1 total size 96.0KB avg. size 96.0KB

SCHEMA

DOCUMENTS

EXPLAIN PLAN

INDEXES

VALIDATION

{ "filter" : "example" }

APPLY

Query returned 10681 documents. Displaying documents 1-40

INSERT DOCUMENT

_id: ObjectID('58ab64b7ca7267edf8188010')

MovieID: "1"

Title: "Toy Story (1995)"

Genres: Array[5]

0: "Adventure"

1: "Animation"

2: "Children"

3: "Comedy"

4: "Fantasy"

_id: ObjectID('58ab64b7ca7267edf8188011')

MovieID: "2"

Title: "Jumanji (1995)"

Genres: Array[3]

0: "Adventure"

1: "Children"

2: "Fantasy"

_id: ObjectID('58ab64b7ca7267edf8188012')

MovieID: "3"

Title: "Grumpier Old Men (1995)"

Genres: Array[2]

0: "Comedy"

1: "Romance"

_id: ObjectID('58ab64b7ca7267edf8188013')

MovieID: "4"

Ratings collection

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moviesdb.Rating

DOCUMENTS 10.0m total size 954.6MB avg. size 100B INDEXES 1 total size 86.6MB avg. size 86.6MB

SCHEMA DOCUMENTS EXPLAIN PLAN INDEXES VALIDATION

{ "filter" : "example" }

Query returned 10000054 documents. Displaying documents 1-40

INSERT DOCUMENT

_id: ObjectID('58ab2231e4ea02dac56f6e70')
UserID: "1"
MovieID: "122"
Rating: 5
Timestamp: "838985046"
"

_id: ObjectID('58ab2231e4ea02dac56f6e71')
UserID: "1"
MovieID: "185"
Rating: 5
Timestamp: "838983525"
"

_id: ObjectID('58ab2231e4ea02dac56f6e72')
UserID: "1"
MovieID: "231"
Rating: 5
Timestamp: "838983392"
"

_id: ObjectID('58ab2231e4ea02dac56f6e73')
UserID: "1"
MovieID: "292"
Rating: 5
Timestamp: "838983421"
"

Tags collection

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3 DBS 5 COLLECTIONS

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moviesdb

movies

movies_ratings

ratings

tags

moviesdb.tags

DOCUMENTS 95.6k total size 9.8MB avg. size 107B INDEXES 1 total size 768.0KB avg. size 768.0KB

SCHEMA DOCUMENTS EXPLAIN PLAN INDEXES VALIDATION

{ "filter" : "example" }

Query returned 95580 documents. Displaying documents 1-20

INSERT DOCUMENT

_id: ObjectID('58a5a904ca72672ed24d0d45')
UserID: "15"
MovieID: "4973"
Tags: "excellent!"
Timestamp: "1215184630"
"

_id: ObjectID('58a5a904ca72672ed24d0d46')
UserID: "20"
MovieID: "1747"
Tags: "politics"
Timestamp: "1188263867"
"

_id: ObjectID('58a5a904ca72672ed24d0d47')
UserID: "20"
MovieID: "1747"
Tags: "satire"
Timestamp: "1188263867"
"

_id: ObjectID('58a5a904ca72672ed24d0d48')
UserID: "20"
MovieID: "2424"
Tags: "chick flick 212"
Timestamp: "1188263835"
"

average ratings of each movie

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3 DBS 6 COLLECTIONS

filter

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moviesdb.moviesavg

DOCUMENTS 10.7k total size 553.9KB avg. size 53B INDEXES 1 total size 96.0KB avg. size 96.0KB

SCHEMA DOCUMENTS EXPLAIN PLAN INDEXES VALIDATION

{ "filter" : "example" }

APPLY

Query returned 10677 documents. Displaying documents 1-20

INSERT DOCUMENT

_id: ObjectId('58ab456950dc10e2ed56b87f')

MovieID: "122"

avg: 2.861318407960199

_id: ObjectId('58ab456950dc10e2ed56b880')

MovieID: "185"

avg: 3.1252086811352253

_id: ObjectId('58ab456950dc10e2ed56b881')

MovieID: "231"

avg: 2.936950310906952

_id: ObjectId('58ab456950dc10e2ed56b882')

MovieID: "292"

avg: 3.4184136858475895

_id: ObjectId('58ab456950dc10e2ed56b883')

MovieID: "316"

avg: 3.3493527080581242

_id: ObjectId('58ab456950dc10e2ed56b884')

MovieID: "329"