

MongoDB Physical Model

Schema for:

Model name: New Model

Author: Version:

File name: mongo.hck.json

File path: /home/hackolade/Documents/data/mongodb/mongo.hck.json

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Created with: Hackolade - Polyglot data modeling for NoSQL databases, storage formats, REST APIs,

and JSON in RDBMS

1. Model

2. Databases

2.1 sample mflix

2.1.2. Collections

2.1.2.1 comments

2.1.2.2 movies

2.1.2.3 sessions

2.1.2.4 theaters

2.1.2.5 users

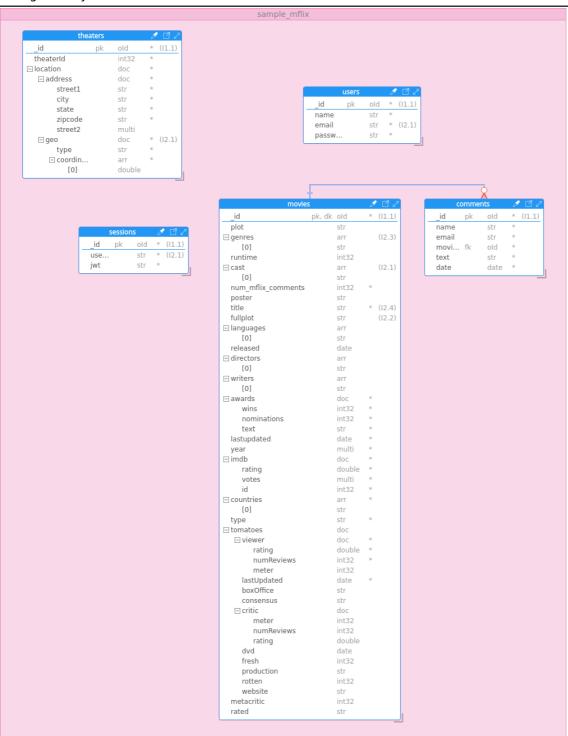
3. Relationships

3.1 fk movies. id to comments.movie id

1. MODEL

1.1 Model New Model

1.1.1 New Model Entity Relationship Diagram



1.1.2 New Model Properties

1.1.2.1 Details tab

| PROPERTY | VALUE |
|--------------------|-----------|
| Model name | New Model |
| Technical name | |
| Description | |
| Author | |
| Version | |
| Target | MongoDB |
| DB version | v6.0 |
| Synchronization Id | |
| Lineage capture | |
| Polyglot models | |
| Comments | |

1.1.2.2 Options tab

| PROPERTY | VALUE |
|----------|-------|
| Color | |

1.1.3 New Model DB Definitions

2. DATABASES

2.1 Database sample_mflix



2.1.1 sample_mflix Properties

| PROPERTY | VALUE |
|-----------------|--------------|
| Database name | sample_mflix |
| Technical name | |
| Activated | true |
| Enable sharding | |
| Description | |
| Comments | |

2.1.2 sample_mflix Collections

2.1.2.1 Collection comments

2.1.2.1.1 comments Properties

| PROPERTY | VALUE |
|---------------------------|--------------|
| Collection name | comments |
| Technical name | |
| Activated | true |
| Id | |
| \$ref | |
| Description | |
| Database | sample_mflix |
| Capped | |
| Time series | |
| Size | |
| Max | |
| Storage engine | WiredTiger |
| Config String | |
| Validation level | Off |
| Validation action | Warn |
| Encryption metadata | |
| Additional properties | true |
| Workload analysis | |
| [1] Actor | |
| Description | |
| Number of documents | |
| Avg document size (Bytes) | |
| Read-to-Write ratio | |
| Keep forever | |
| Retention (months) | |
| Write operations | |
| Read operations | |
| Comments | |

2.1.2.1.2 comments Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|----------|----------|------|-----|-------------|----------|
| _id | objectId | true | pk | | |
| name | string | true | | | |
| email | string | true | | | |
| movie_id | objectId | true | fk | | |
| text | string | true | | | |
| date | date | true | | | |

2.1.2.1.2.1 Field _id

2.1.2.1.2.1.1 _id Tree Diagram



2.1.2.1.2.1.2 _id properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | _id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Sample | |
| Comments | |

2.1.2.1.2.2 Field name

2.1.2.1.2.2.1 name Tree Diagram



2.1.2.1.2.2.2 name properties

| PROPERTY | VALUE |
|------------------------|---------------|
| Name | name |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Connie Barton |
| Comments | |

2.1.2.1.2.3 Field email

2.1.2.1.2.3.1 email Tree Diagram



2.1.2.1.2.3.2 email properties

| PROPERTY | VALUE |
|------------------------|-----------------------------|
| Name | email |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | connie_barton@fakegmail.com |
| Comments | |

2.1.2.1.2.4 Field movie_id

2.1.2.1.2.4.1 movie_id Tree Diagram



2.1.2.1.2.4.2 movie_id properties

| PROPERTY | VALUE |
|------------------------|----------------------------------|
| Name | movie_id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | movies |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Relationship name | fk moviesid to comments.movie_id |
| Cardinality | 0n |
| Default | |
| Sample | |
| Comments | |

2.1.2.1.2.5 Field text

2.1.2.1.2.5.1 text Tree Diagram



2.1.2.1.2.5.2 text properties

| PROPERTY | VALUE |
|------------------------|--|
| Name | text |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Magnam ullam similique ducimus provident excepturi hic. Sapiente nihil similique id beatae praesentium voluptas. Iusto assumenda illum eius magni totam. |
| Comments | |

2.1.2.1.2.6 Field date

2.1.2.1.2.6.1 date Tree Diagram



2.1.2.1.2.6.2 date properties

| PROPERTY | VALUE |
|------------------------|-------|
| Name | date |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Now | |
| Faker function | |
| Sample | |
| Comments | |

2.1.2.1.3 comments Indexes

| PROPERTY | _ID_ |
|------------------------|------------------|
| Name | _id_ |
| Activated | |
| Key | _id('ascending') |
| Wildcard index | |
| Hashed | |
| Unique | |
| Drop duplicates | |
| Sparse | |
| Background indexing | |
| Partial filter exp | |
| Expire after (seconds) | |
| Storage engine | |
| Comments | |

2.1.2.1.4 comments JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "comments",
  "properties": {
     "_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     },
     "name": {
       "type": "string"
     },
     "email": {
       "type": "string"
     },
     "movie_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     },
     "text": {
       "type": "string"
     },
     "date": {
        "type": "string",
       "format": "date-time"
     }
  },
  "additionalProperties": true,
  "required": [
     " id",
     "name",
     "email",
     "movie_id",
     "text",
     "date"
  1
}
```

2.1.2.1.5 comments JSON data

```
{
    "_id": ObjectId("53ecdf63c702aca37aae0553"),
    "name": "Connie Barton",
    "email": "connie_barton@fakegmail.com",
    "movie_id": ObjectId("9fd1e0d5ecde74ca8389aafb"),
    "text": "Magnam ullam similique ducimus provident excepturi hic. Sapiente nihil similique id beatae praesentium voluptas. lusto assumenda illum eius magni totam.",
    "date": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.1.6 comments Target Script

```
use sample_mflix;
db.createCollection("comments", {
  "capped": false,
  "validator": {
     "$jsonSchema": {
       "bsonType": "object",
       "title": "comments",
       "properties": {
          "_id": {
            "bsonType": "objectId"
          },
          "name": {
             "bsonType": "string"
          },
          "email": {
            "bsonType": "string"
          "movie_id": {
            "bsonType": "objectId"
          },
          "text": {
            "bsonType": "string"
          },
          "date": {
            "bsonType": "date"
       },
       "additionalProperties": true,
       "required": [
          "_id",
          "name",
          "email",
          "movie_id",
          "text",
          "date"
     }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
db.comments.createIndex({
  "_id": 1
},
{
  "name": "_id_"
});
```

2.1.2.2 Collection movies

2.1.2.2.1 movies Properties

| PROPERTY | VALUE |
|---------------------------|--------------|
| Collection name | movies |
| Technical name | |
| Activated | true |
| Id | |
| \$ref | |
| Description | |
| Database | sample_mflix |
| Capped | |
| Time series | |
| Size | |
| Max | |
| Storage engine | WiredTiger |
| Config String | |
| Validation level | Off |
| Validation action | Warn |
| Encryption metadata | |
| Additional properties | true |
| Workload analysis | |
| [1] Actor | |
| Description | |
| Number of documents | |
| Avg document size (Bytes) | |
| Read-to-Write ratio | |
| Keep forever | |
| Retention (months) | |
| Write operations | |
| Read operations | |
| Comments | |

2.1.2.2.2 movies Fields

| _id | FIELD | ТҮРЕ | REQ | KEY | DESCRIPTION | COMMENTS |
|--|--------------------|----------------|-------|--------|-------------|----------|
| genres array false [0] string false runtime integer32 false cast array false [0] string false rum, mflix_comments integer32 true poster string false title string false languages array false [0] string false languages array false [0] string false released date false directors array false [0] string true [0] string false [0] string f | _id | objectId | true | pk, dk | | |
| [0] string false runtime integer32 false cast array false [0] string false [0] string false num_mflix_comments integer32 true poster string false title string true fullplot string false [0] string false languages array false [0] string false released date false directors array false [0] string false [0 | plot | string | false | | | |
| runtime integer32 false cast array false [0] string false num_mflix_comments integer32 true poster string false title string false languages array false [0] string false languages array false [0] string false directors array false [0] string false languages array false [0] string false writers array false [0] string false languages langua | genres | array | false | | | |
| cast array false [0] string false num_mflix_comments integer32 true poster string false title string true fullplot string false languages array false [0] string false released date false directors array false [0] string false writers array false [0] string false writers array false [0] string false array false [0] string false writers array false [0] string false writers array false array false [0] string false writers array false [0] string false array false [0] string [0] string false [0] string fal | [0] | string | false | | | |
| [0] string false num_mflix_comments integer32 true poster string false title string true fullplot string false languages array false [0] string false released date false directors array false [0] string false loll string l | runtime | integer32 | false | | | |
| num_mflix_comments integer32 true | cast | array | false | | | |
| poster string false title string true fullplot string false languages array false [0] string false lessed date false directors array false [0] string false lossed date false directors array false [0] string false writers array false [0] string false lossed document true wins integer32 true lastupdated date true lastupdated date true lastupdated document true works numeric, string true lid integer32 true lid integer32 true lid integer32 true lastupdated document true lastupdated document true lastupdated document true lastupdated solve lastupdated lastu | [0] | string | false | | | |
| title string true fullplot string false languages array false [0] string false released date false directors array false [0] string true [0] string true [0] string true [0] string true [0] string false [0] string [0] string false [0] string false [0] string false [0] string fal | num_mflix_comments | integer32 | true | | | |
| fullplot string false languages array false [0] string false released date false directors array false [0] string false [0] string false [0] string false writers array false [0] string false array false [0] string false array false [0] string false array false array false [0] string false array true array false array true array false array true array false array array false array array false array true array false array fa | poster | string | false | | | |
| languages array false [0] string false released date false directors array false [0] string false awards document true wins integer32 true nominations integer32 true text string true lastupdated date true year numeric,string true imdb document true rating double true votes numeric,string true id integer32 true countries array true [0] string false type string true tomatoes document false viewer document true rating double true numReviews integer32 true numReviews integer32 true numReviews integer32 false consensus string false ritic document false rating double false false rating double false rating false | title | string | true | | | |
| [0] string false released date false directors array false [0] string false writers array false [10] string false writers array false [10] string false writers array false [10] string false awards document true wins integer32 true nominations integer32 true text string true lastupdated date true year numeric,string true rating double true votes numeric,string true id integer32 true countries array true [10] string false true true year string true id integer32 true countries array true [10] string false true true year integer32 true conditions document true rating double true true string false true true string true tomatoes document true rating double true true true false viewer document true rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false neter integer32 false numReviews integer32 false false fresh integer32 false production string false rotten integer32 false production string false rotten integer32 false production string false rotten integer32 false numteger32 false production string false rotten integer32 false production string false rotten integer32 false numteger32 false production string false rotten integer32 false numteger32 false production integer32 false numteger32 | fullplot | string | false | | | |
| released date false directors array false [0] string false awards document true wins integer32 true nominations integer32 true text string true lastupdated date true year numeric,string true indb document true rating double true votes numeric,string true id integer32 true [0] string false true [0] string false viewer document true rating double true tomatoes document true [1] string false viewer document true rating double true tomatoes document true rating double true false viewer document true rating double true numReviews integer32 true integer32 true false lastUpdated date true boxOffice string false consensus string false consensus string false rating double false integer32 false numReviews integer32 false numReviews integer32 false numReviews integer32 false false fresh integer32 false production string false rotten integer32 false production string false rotten integer32 false false fresh integer32 false production string false rotten integer32 false false fresh integer32 false false production string false rotten integer32 false fal | languages | array | false | | | |
| directors array false [0] string false | [0] | string | false | | | |
| [0] string false writers array false [0] string false [0] string false awards document true wins integer32 true integer32 true text string true lastupdated date true wotes numeric, string id integer32 true countries array true [0] string false wiewer document true rating double true true string true if the string true if the string true integer32 true countries array true [0] string false true wotes document true integer32 true tomatoes document true integer32 false int | released | date | false | | | |
| writers array false [0] string false awards document true wins integer32 true nominations integer32 true lastupdated date true year numeric,string true rating double true votes numeric,string true id integer32 true [0] string false type string true tomatoes document false viewer document true rating double true tomatoes document false viewer document true rating false string true tomatoes document true rating false type string true tomatoes document false viewer document false viewer document true rating false lastUpdated date true boxOffice string false critic document meter integer32 false rotten integer32 false false fresh integer32 false production string false rotten integer32 false false false fresh integer32 false production string false rotten integer32 false | directors | array | false | | | |
| [0] string false awards document true wins integer32 true nominations integer32 true text string true lastupdated date true year numeric,string true imdb document true rating double true votes numeric,string true id integer32 true countries array true [0] string false type string true tomatoes document false viewer document true rating double true numReviews integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false rating double false | [0] | string | false | | | |
| awards document true wins integer32 true nominations integer32 true text string true lastupdated date true year numeric, string true imdb document true rating double true votes numeric, string true id integer32 true lo] string false type string true document true rating double true votes integer32 true lo] string false type string true imantoes document true rating double true votes integer32 true lo] string false logouple true tomatoes document false viewer document true rating double true integer32 true lastUpdated date true boxOffice string false lastUpdated date true loxOffice string false critic document false riteger32 false numReviews integer32 false lastUpdated date true loxOffice string false critic document false rating double false false rating double false lase fresh integer32 false production string false rotten integer32 false rating double false false production string false rotten integer32 false rating false rotten integer32 false rotten | writers | array | false | | | |
| wins integer32 true nominations integer32 true text string true lastupdated date true year numeric,string true imdb document true rating double true votes numeric,string true id integer32 true countries array true [0] string false type string true tomatoes document true rating double true viewer document true rating false viewer integer32 true countries array true formatoes document false viewer document true rating double true numReviews integer32 true numReviews integer32 false lastUpdated date true boxOffice string false critic document false rotten integer32 false fresh integer32 false production string false rotten integer32 false production string false rotten | [0] | string | false | | | |
| nominations integer32 true text string true lastupdated date true year numeric,string true imdb document true rating double true votes numeric,string true id integer32 true countries array true [0] string false type string true tomatoes document true rating double true viewer document true rating double true numReviews integer32 true and date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false false critic document false meter integer32 false numReviews integer32 false false rating double false fresh integer32 false production string false rotten integer32 false rating false false false fresh integer32 false rotten integer32 false | awards | document | true | | | |
| text string true lastupdated date true year numeric, string true imdb document true rating double true integer32 true load ocument string id integer32 true load ocument true load ocument | wins | integer32 | true | | | |
| lastupdated date true year numeric,string true imdb document true rating double true votes numeric,string true id integer32 true [0] string false type string true tomatoes document true rating double true wiewer double true integer32 true id string false string double true rating double true integer32 true integer32 false consensus string false integer32 false int | nominations | integer32 | true | | | |
| year numeric,string true imdb document true rating double true id integer32 true [0] string false true tomatoes document true rating double true integer32 true tomatoes document true rating double true integer32 true integer32 true integer32 false integer32 false consensus string false true integer32 false consensus string false integer32 false integer32 false critic document false integer32 false integer32 false critic document false integer32 false integer32 false critic document false integer32 false rating double false false fresh integer32 false integer32 false integer32 false integer32 false integer32 false integer32 false fresh integer32 false integer32 f | text | string | true | | | |
| imdb document true rating double true votes numeric,string true id integer32 true countries array true [0] string false type string true tomatoes document false viewer document true rating double true numReviews integer32 true boxOffice string false consensus string false critic document false critic document false meter integer32 false critic document false critic document false meter finteger32 false critic document false meter finteger32 false false critic document false meter finteger32 false false rating double false false fresh integer32 false production string false rotten false false false fresh integer32 false production string false rotten | lastupdated | date | true | | | |
| rating double true | year | numeric,string | true | | | |
| votes numeric,string true | imdb | document | true | | | |
| id integer32 true countries array true [0] string false type string true tomatoes document false viewer document true rating double true integer32 true meter integer32 false consensus string false critic document false critic double true false fresh integer32 false false false false fresh integer32 false | rating | double | true | | | |
| countries array true [0] string false type string true tomatoes document false viewer document true rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false rating double false rating false firesh integer32 false rotten false rotten false rating false rating false rating false | votes | numeric,string | true | | | |
| type string false type string true tomatoes document false viewer document true rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false false true boxOffice string false critic document false meter integer32 false false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | id | integer32 | true | | | |
| type string true tomatoes document false viewer document true rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false rating double false fresh integer32 false production string false rating false | countries | array | true | | | |
| tomatoes viewer viewer document rating double numReviews integer32 true meter lastUpdated boxOffice consensus string critic document meter integer32 false critic document false numReviews integer32 false false false critic document false false numReviews integer32 false false rating double false dvd date false fresh integer32 false production string false false false false false false fresh integer32 false false false false false fresh integer32 false false false fresh integer32 false false fresh integer32 false false fresh integer32 false | [0] | string | false | | | |
| viewer document true rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | type | string | true | | | |
| rating double true numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false fresh integer32 false production string false fals | tomatoes | document | false | | | |
| numReviews integer32 true meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | viewer | document | true | | | |
| meter integer32 false lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | rating | double | true | | | |
| lastUpdated date true boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false fresh integer32 false production string false | numReviews | integer32 | true | | | |
| boxOffice string false consensus string false critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | meter | integer32 | false | | | |
| consensus string false critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | lastUpdated | date | true | | | |
| consensusstringfalsecriticdocumentfalsemeterinteger32falsenumReviewsinteger32falseratingdoublefalsedvddatefalsefreshinteger32falseproductionstringfalserotteninteger32false | | string | false | | | |
| critic document false meter integer32 false numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | consensus | - | false | | | |
| numReviews integer32 false rating double false dvd date false fresh integer32 false production string false rotten integer32 false | critic | document | false | | | |
| rating double false dvd date false fresh integer32 false production string false integer32 false | meter | integer32 | false | | | |
| dvd date false fresh integer32 false production string false rotten integer32 false | numReviews | integer32 | false | | | |
| fresh integer32 false production string false rotten integer32 false | rating | double | false | | | |
| production string false rotten integer32 false | | date | false | | | |
| production string false rotten integer32 false | fresh | integer32 | false | | | |
| rotten integer32 false | production | | false | | | |
| | • | _ | false | | | |
| | website | | false | | | |

| FIELD | ТҮРЕ | REQ KEY | DESCRIPTION | COMMENTS |
|------------|-----------|---------|-------------|----------|
| metacritic | integer32 | false | | |
| rated | string | false | | |

2.1.2.2.2.1 Field _id

2.1.2.2.1.1 _id Tree Diagram



2.1.2.2.1.2 _id properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | _id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Sample | |
| Comments | |

2.1.2.2.2.2 Field plot

2.1.2.2.2.1 plot Tree Diagram



2.1.2.2.2.2 plot properties

| PROPERTY | VALUE |
|------------------------|---|
| Name | plot |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | A Cincinnati museum director goes on trial in 1990 for exhibiting sadomasochistic photographs taken by Robert Mapplethorpe. |
| Comments | |

2.1.2.2.3 Field genres

2.1.2.2.3.1 genres Tree Diagram



2.1.2.2.3.2 genres Hierarchy

Parent field: **movies** Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.3.3 genres properties

| PROPERTY | VALUE |
|------------------------|--------|
| Name | genres |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.4 Field [0]

2.1.2.2.2.4.1 [0] Tree Diagram



2.1.2.2.2.4.2 [0] properties

| PROPERTY | VALUE |
|------------------------|--------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Short |
| Comments | |

2.1.2.2.2.5 Field runtime

2.1.2.2.2.5.1 runtime Tree Diagram



2.1.2.2.5.2 runtime properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | runtime |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 1256 |
| Comments | |

2.1.2.2.2.6 Field cast

2.1.2.2.2.6.1 cast Tree Diagram



2.1.2.2.6.2 cast Hierarchy

Parent field: **movies** Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.2.6.3 cast properties

| PROPERTY | VALUE |
|------------------------|-------|
| Name | cast |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.7 Field [0]

2.1.2.2.2.7.1 [0] Tree Diagram



2.1.2.2.2.7.2 [0] properties

| PROPERTY | VALUE |
|------------------------|----------------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Charles Kayser |
| Comments | |

2.1.2.2.2.8 Field num_mflix_comments

2.1.2.2.2.8.1 num_mflix_comments Tree Diagram

{123} num_mflix_comments

numeric

2.1.2.2.8.2 num_mflix_comments properties

| PROPERTY | VALUE |
|------------------------|--------------------|
| Name | num_mflix_comments |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 153 |
| Comments | |

2.1.2.2.2.9 Field poster

2.1.2.2.2.9.1 poster Tree Diagram



2.1.2.2.9.2 poster properties

| PROPERTY | VALUE |
|------------------------|---|
| Name | poster |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | https://m.media- amazon.com/images/M/MV5BMTI2MzEwNDc4OF5BMI5BanBnXkFtZTcwMjg1ODcx MQ@@V1_SY1000_SX677_ALjpg |
| Comments | |

2.1.2.2.2.10 Field title

2.1.2.2.2.10.1 title Tree Diagram



2.1.2.2.2.10.2 title properties

| PROPERTY | VALUE |
|------------------------|----------------|
| Name | title |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Dirty Pictures |
| Comments | |

2.1.2.2.2.11 Field fullplot

2.1.2.2.2.11.1 fullplot Tree Diagram

| {ABC} | fullplot | |
|--------|----------|---|
| (12.2) | string | |
| | | ı |

2.1.2.2.2.11.2 fullplot properties

| PROPERTY | VALUE |
|------------------------|--|
| Name | fullplot |
| Technical name | · |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Fact-based story about the court proceedings that followed Cincinnati art museum director Dennis Barrie after his decision to display a controversial art exhibit by photographer Robert Mapplethorpe. The proceedings start with an inflamed County Sheriff who is determined to put Barrie in jail. A grand jury established to determine whether the sexually explicit photographs were obscene found seven of the pictures to possibly be obscene. The seven pictures depicted nude children, a man ramming his fist up another man's anus, and man with his finger in his penis. Other pictures in the exhibit did depict explicit nudity and sexual connotation. An obviously biased judge made derisive decisions throughout the trial. The strain of the trial also placed Barrie's marriage under duress, which ultimately led to his wife divorcing him, and led to Barrie's children being derided and physically attacked by their classmates. |
| Comments | |

2.1.2.2.12 Field languages

2.1.2.2.12.1 languages Tree Diagram



2.1.2.2.12.2 languages Hierarchy

Parent field: movies

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.2.12.3 languages properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | languages |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.13 Field [0]

2.1.2.2.2.13.1 [0] Tree Diagram



2.1.2.2.2.13.2 [0] properties

| PROPERTY | VALUE |
|------------------------|---------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | English |
| Comments | |

2.1.2.2.2.14 Field released

2.1.2.2.2.14.1 released Tree Diagram



2.1.2.2.14.2 released properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | released |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | date |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Now | |
| Faker function | |
| Sample | |
| Comments | |

2.1.2.2.2.15 Field directors

2.1.2.2.2.15.1 directors Tree Diagram



2.1.2.2.15.2 directors Hierarchy

Parent field: movies

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.2.15.3 directors properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | directors |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.16 Field [0]

2.1.2.2.2.16.1 [0] Tree Diagram



2.1.2.2.2.16.2 [0] properties

| PROPERTY | VALUE |
|------------------------|----------------------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | William K.L. Dickson |
| Comments | |

2.1.2.2.2.17 Field writers

2.1.2.2.2.17.1 writers Tree Diagram



2.1.2.2.2.17.2 writers Hierarchy

Parent field: **movies** Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.2.17.3 writers properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | writers |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.18 Field [0]

2.1.2.2.2.18.1 [0] Tree Diagram

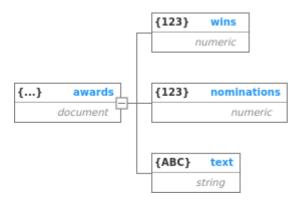


2.1.2.2.2.18.2 [0] properties

| PROPERTY | VALUE |
|------------------------|--------------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Winsor McCay |
| Comments | |

2.1.2.2.2.19 Field awards

2.1.2.2.2.19.1 awards Tree Diagram



2.1.2.2.19.2 awards Hierarchy

Parent field: movies

Child field(s):

| FIELD | ТҮРЕ | REQ | KEY | DESCRIPTION | COMMENTS |
|-------------|---------|------|-----|-------------|----------|
| wins | numeric | true | | | |
| nominations | numeric | true | | | |
| text | string | true | | | |

2.1.2.2.19.3 awards properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | awards |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.2.2.20 Field wins

2.1.2.2.2.20.1 wins Tree Diagram



2.1.2.2.2.20.2 wins properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | wins |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 175 |
| Comments | |

2.1.2.2.2.1 Field nominations

2.1.2.2.2.1.1 nominations Tree Diagram



2.1.2.2.2.21.2 nominations properties

| PROPERTY | VALUE |
|------------------------|-------------|
| Name | nominations |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 87 |
| Comments | |

2.1.2.2.2.2 Field text

2.1.2.2.2.1 text Tree Diagram



2.1.2.2.2.2 text properties

| PROPERTY | VALUE |
|------------------------|---|
| Name | text |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Won 1 Golden Globe. Another 3 wins & 6 nominations. |
| Comments | |

2.1.2.2.23 Field lastupdated

2.1.2.2.23.1 lastupdated Tree Diagram



2.1.2.2.2.23.2 lastupdated properties

| PROPERTY | VALUE |
|------------------------|-------------|
| Name | lastupdated |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Now | |
| Faker function | |
| Sample | |
| Comments | |

2.1.2.2.24 Field year

2.1.2.2.2.24.1 year Tree Diagram



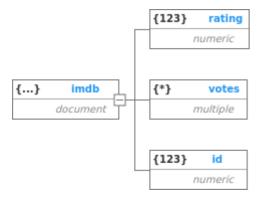
2.1.2.2.2.24.2 year properties

| PROPERTY | VALUE |
|------------------------|---------------------------|
| Name | year |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | multiple (numeric,string) |
| Description | 5 1 2 3 |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | 10.00 |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| Comments | |
| | |
| Name | |
| Technical name | |
| Activated | true |
| Id | true |
| 1.4. | |
| Field-level encryption | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |
| | |
| Name | |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| - | |

| PROPERTY | VALUE |
|--------------------|-------|
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |

2.1.2.2.2.5 Field imdb

2.1.2.2.2.25.1 imdb Tree Diagram



2.1.2.2.2.25.2 imdb Hierarchy

Parent field: movies

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|--------|----------------|------|-----|-------------|----------|
| rating | numeric | true | | | |
| votes | numeric,string | true | | | |
| id | numeric | true | | | |

2.1.2.2.2.25.3 imdb properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | imdb |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.2.2.26 Field rating

2.1.2.2.2.26.1 rating Tree Diagram



2.1.2.2.2.26.2 rating properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | rating |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | double |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 6.2 |
| Comments | |

2.1.2.2.2.7 Field votes

2.1.2.2.2.27.1 votes Tree Diagram



2.1.2.2.2.27.2 votes properties

| PROPERTY | VALUE |
|------------------------|---------------------------|
| Name | votes |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | multiple (numeric,string) |
| Description | 5 1 2 3 |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| Commence | |
| | |
| Name | |
| Technical name | |
| Activated | true |
| Id | tiue |
| Field-level encryption | |
| Type | numeric |
| Description | Humene |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | Taise |
| Foreign field | |
| Relationship type | |
| | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |
| Namo | |
| Name Tachnical name | |
| Technical name | L w |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |

| PROPERTY | VALUE |
|--------------------|-------|
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |

2.1.2.2.2.8 Field id

2.1.2.2.2.28.1 id Tree Diagram



2.1.2.2.2.28.2 id properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 217363 |
| Comments | |

2.1.2.2.2.29 Field countries

2.1.2.2.2.29.1 countries Tree Diagram



2.1.2.2.29.2 countries Hierarchy

Parent field: movies

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|--------|-------|-----|-------------|----------|
| [0] | string | false | | | |

2.1.2.2.2.29.3 countries properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | countries |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.2.2.30 Field [0]

2.1.2.2.2.30.1 [0] Tree Diagram



2.1.2.2.30.2 [0] properties

| PROPERTY | VALUE |
|------------------------|--------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Primary key | |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | USA |
| Comments | |

2.1.2.2.31 Field type

2.1.2.2.2.31.1 type Tree Diagram

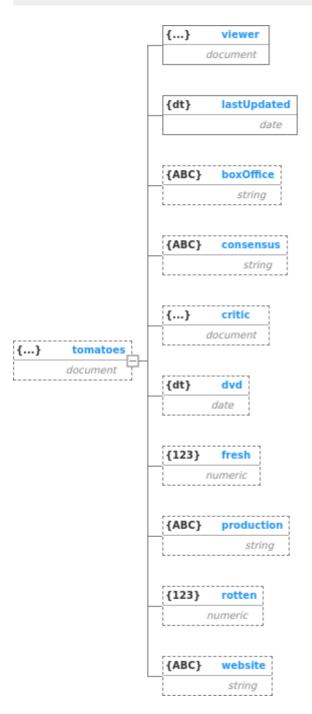


2.1.2.2.31.2 type properties

| PROPERTY | VALUE |
|------------------------|--------|
| Name | type |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | movie |
| Comments | |

2.1.2.2.32 Field tomatoes

2.1.2.2.32.1 tomatoes Tree Diagram



2.1.2.2.32.2 tomatoes Hierarchy

Parent field: movies

Child field(s):

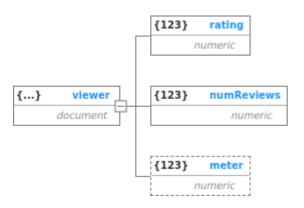
| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------------|----------|-------|-----|-------------|----------|
| viewer | document | true | | | |
| lastUpdated | date | true | | | |
| boxOffice | string | false | | | |
| consensus | string | false | | | |
| critic | document | false | | | |
| dvd | date | false | | | |
| fresh | numeric | false | | | |
| production | string | false | | | |
| rotten | numeric | false | | | |
| website | string | false | | | |

2.1.2.2.32.3 tomatoes properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | tomatoes |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.2.33 Field viewer

2.1.2.2.33.1 viewer Tree Diagram



2.1.2.2.33.2 viewer Hierarchy

Parent field: tomatoes

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|------------|---------|-------|-----|-------------|----------|
| rating | numeric | true | | | |
| numReviews | numeric | true | | | |
| meter | numeric | false | | | |

2.1.2.2.33.3 viewer properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | viewer |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.2.34 Field rating

2.1.2.2.34.1 rating Tree Diagram



2.1.2.2.34.2 rating properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | rating |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | double |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 3.7 |
| Comments | |

2.1.2.2.35 Field numReviews

2.1.2.2.35.1 numReviews Tree Diagram



2.1.2.2.35.2 numReviews properties

| PROPERTY | VALUE |
|------------------------|------------|
| Name | numReviews |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 35792304 |
| Comments | |

2.1.2.2.36 Field meter

2.1.2.2.2.36.1 meter Tree Diagram

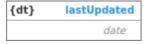


2.1.2.2.36.2 meter properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | meter |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 100 |
| Comments | |

2.1.2.2.37 Field lastUpdated

2.1.2.2.37.1 lastUpdated Tree Diagram



2.1.2.2.37.2 lastUpdated properties

| PROPERTY | VALUE |
|------------------------|-------------|
| Name | lastUpdated |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Now | |
| Faker function | |
| Sample | |
| Comments | |

2.1.2.2.38 Field boxOffice

2.1.2.2.38.1 boxOffice Tree Diagram

| {ABC} | boxOffice |
|-------|-----------|
| | string |

2.1.2.2.38.2 boxOffice properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | boxOffice |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | \$3.4M |
| Comments | |

2.1.2.2.39 Field consensus

2.1.2.2.39.1 consensus Tree Diagram

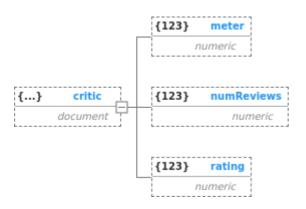


2.1.2.2.39.2 consensus properties

| PROPERTY | VALUE |
|------------------------|--|
| Name | consensus |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | A darkly funny thriller that's reminiscent of Hitchcock. |
| Comments | |

2.1.2.2.2.40 Field critic

2.1.2.2.2.40.1 critic Tree Diagram



2.1.2.2.40.2 critic Hierarchy

Parent field: tomatoes

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|------------|---------|-------|-----|-------------|----------|
| meter | numeric | false | | | |
| numReviews | numeric | false | | | |
| rating | numeric | false | | | |

2.1.2.2.2.40.3 critic properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | critic |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.2.2.41 Field meter

2.1.2.2.2.41.1 meter Tree Diagram



2.1.2.2.2.41.2 meter properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | meter |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 100 |
| Comments | |

2.1.2.2.2.42 Field numReviews

2.1.2.2.2.42.1 numReviews Tree Diagram



2.1.2.2.2.42.2 numReviews properties

| PROPERTY | VALUE |
|------------------------|------------|
| Name | numReviews |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 261 |
| Comments | |

2.1.2.2.2.43 Field rating

2.1.2.2.2.43.1 rating Tree Diagram



2.1.2.2.2.43.2 rating properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | rating |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | double |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 8.1 |
| Comments | |

2.1.2.2.2.44 Field dvd

2.1.2.2.2.44.1 dvd Tree Diagram



2.1.2.2.44.2 dvd properties

| PROPERTY | VALUE |
|------------------------|-------|
| Name | dvd |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | date |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Now | |
| Faker function | |
| Sample | |
| Comments | |

2.1.2.2.2.45 Field fresh

2.1.2.2.2.45.1 fresh Tree Diagram



2.1.2.2.2.45.2 fresh properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | fresh |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 247 |
| Comments | |

2.1.2.2.2.46 Field production

2.1.2.2.2.46.1 production Tree Diagram



2.1.2.2.2.46.2 production properties

| PROPERTY | VALUE |
|------------------------|------------------------|
| Name | production |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | MGM Home Entertainment |
| Comments | |

2.1.2.2.2.47 Field rotten

2.1.2.2.2.47.1 rotten Tree Diagram



2.1.2.2.2.47.2 rotten properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | rotten |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 149 |
| Comments | |

2.1.2.2.2.48 Field website

2.1.2.2.2.48.1 website Tree Diagram



2.1.2.2.48.2 website properties

| PROPERTY | VALUE |
|------------------------|-------------------------------|
| Name | website |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | http://www.diaphana.fr/harry/ |
| Comments | |

2.1.2.2.2.49 Field metacritic

2.1.2.2.49.1 metacritic Tree Diagram

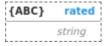


2.1.2.2.49.2 metacritic properties

| PROPERTY | VALUE |
|------------------------|------------|
| Name | metacritic |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 100 |
| Comments | |

2.1.2.2.2.50 Field rated

2.1.2.2.2.50.1 rated Tree Diagram



2.1.2.2.50.2 rated properties

| PROPERTY | VALUE |
|------------------------|--------|
| Name | rated |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | false |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | R |
| Comments | |

2.1.2.2.3 movies Indexes

| PROPERTY | _ID_ | CAST_TEXT_FULLPLOT_TEXT_GENRES_TEXT_TITLE_TEXT |
|------------------------|------------------|---|
| Name | _id_ | cast_text_fullplot_text_genres_text_title_text |
| Activated | | |
| Key | _id('ascending') | cast('text'), fullplot('text'), genres('text'), title('text') |
| Wildcard index | | |
| Hashed | | |
| Unique | | |
| Drop duplicates | | |
| Sparse | | |
| Background indexing | | |
| Partial filter exp | | |
| Expire after (seconds) | | |
| Storage engine | | |
| Comments | | |

2.1.2.2.4 movies JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "movies",
  "properties": {
     "_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     },
     "plot": {
       "type": "string"
     },
     "genres": {
       "type": "array",
       "additionalltems": true,
       "items": {
          "type": "string"
       }
     },
     "runtime": {
       "type": "integer"
     },
     "cast": {
       "type": "array",
       "additionalItems": true,
       "items": {
          "type": "string"
       }
     },
     "num_mflix_comments": {
       "type": "integer"
     },
     "poster": {
       "type": "string"
     },
     "title": {
       "type": "string"
     },
     "fullplot": {
       "type": "string"
     },
     "languages": {
       "type": "array",
       "additionalItems": true,
       "items": {
          "type": "string"
       }
     },
     "released": {
       "type": "string",
       "format": "date-time"
     },
     "directors": {
       "type": "array",
       "additionalItems": true,
       "items": {
          "type": "string"
       }
     },
     "writers": {
```

```
"type": "array",
  "additionalItems": true,
  "items": {
     "type": "string"
  }
},
"awards": {
  "type": "object",
  "properties": {
     "wins": {
        "type": "integer"
     },
     "nominations": {
       "type": "integer"
     },
     "text": {
       "type": "string"
     }
  },
  "additionalProperties": true,
  "required": [
     "wins",
     "nominations",
     "text"
  ]
},
"lastupdated": {
  "type": "string",
  "format": "date-time"
},
"year": {
  "type": [
     "number",
     "string"
  ]
},
"imdb": {
  "type": "object",
  "properties": {
     "rating": {
        "type": "number"
     },
     "votes": {
       "type": [
          "number",
          "string"
       ]
     },
     "id": {
       "type": "integer"
     }
  "additionalProperties": true,
  "required": [
     "rating",
     "votes",
     "id"
  ]
"countries": {
  "type": "array",
```

```
"additionalItems": true,
  "items": {
     "type": "string"
  }
},
"type": {
  "type": "string"
},
"tomatoes": {
  "type": "object",
  "properties": {
     "viewer": {
       "type": "object",
       "properties": {
          "rating": {
             "type": "number"
          },
          "numReviews": {
             "type": "integer"
          },
          "meter": {
             "type": "integer"
          }
       },
       "additionalProperties": true,
       "required": [
          "rating",
          "numReviews"
       ]
     },
     "lastUpdated": {
       "type": "string",
       "format": "date-time"
     },
     "boxOffice": {
       "type": "string"
     },
     "consensus": {
       "type": "string"
     },
     "critic": {
       "type": "object",
       "properties": {
          "meter": {
             "type": "integer"
          },
          "numReviews": {
             "type": "integer"
          },
          "rating": {
             "type": "number"
          }
       },
       "additionalProperties": true
     },
     "dvd": {
       "type": "string",
       "format": "date-time"
     },
     "fresh": {
       "type": "integer"
```

```
},
          "production": {
            "type": "string"
          },
          "rotten": {
            "type": "integer"
          "website": {
            "type": "string"
          }
       },
       "additionalProperties": true,
       "required": [
          "viewer",
          "lastUpdated"
       ]
     },
     "metacritic": {
       "type": "integer"
     },
     "rated": {
       "type": "string"
     }
  },
  "additionalProperties": true,
  "required": [
    "_id",
     "num_mflix_comments",
     "title",
    "awards",
     "lastupdated",
     "year",
     "imdb",
     "countries",
     "type"
  ]
}
```

2.1.2.2.5 movies JSON data

```
{
  " id": ObjectId("a97bf869abbce4c0bbd45b8b"),
  "plot": "A Cincinnati museum director goes on trial in 1990 for exhibiting sadomasochistic photographs taken by
Robert Mapplethorpe.",
  "genres": [
     "Short"
  ],
  "runtime": Int32(1256),
  "cast": [
     "Charles Kayser"
  ],
  "num_mflix_comments": Int32(153),
  "poster": "https://m.media-
amazon.com/images/M/MV5BMTI2MzEwNDc4OF5BMI5BanBnXkFtZTcwMjg1ODcxMQ@@._V1_SY1000_SX677_AL_.jpg
  "title": "Dirty Pictures",
  "fullplot": "Fact-based story about the court proceedings that followed Cincinnati art museum director Dennis
Barrie after his decision to display a controversial art exhibit by photographer Robert Mapplethorpe. The
proceedings start with an inflamed County Sheriff who is determined to put Barrie in jail. A grand jury established
to determine whether the sexually explicit photographs were obscene found seven of the pictures to possibly be
obscene. The seven pictures depicted nude children, a man ramming his fist up another man's anus, and man with
his finger in his penis. Other pictures in the exhibit did depict explicit nudity and sexual connotation. An obviously
biased judge made derisive decisions throughout the trial. The strain of the trial also placed Barrie's marriage
under duress, which ultimately led to his wife divorcing him, and led to Barrie's children being derided and
physically attacked by their classmates.",
  "languages": [
     "English"
  ],
  "released": ISODate("2016-04-08T15:06:21.595Z"),
  "directors": [
     "William K.L. Dickson"
  ],
  "writers": [
     "Winsor McCay"
  ],
  "awards": {
     "wins": Int32(175),
    "nominations": Int32(87),
    "text": "Won 1 Golden Globe. Another 3 wins & 6 nominations."
  },
  "lastupdated": ISODate("2016-04-08T15:06:21.595Z"),
  "year": 56,
  "imdb": {
     "rating": Double(6.2),
     "votes": 66,
    "id": Int32(217363)
  },
  "countries": [
     "USA"
  ],
  "type": "movie",
  "tomatoes": {
     "viewer": {
       "rating": Double(3.7),
       "numReviews": Int32(35792304),
       "meter": Int32(100)
    },
     "lastUpdated": ISODate("2016-04-08T15:06:21.595Z"),
    "boxOffice": "$3.4M",
     "consensus": "A darkly funny thriller that's reminiscent of Hitchcock.",
```

```
"critic": {
    "meter": Int32(100),
    "numReviews": Int32(261),
    "rating": Double(8.1)
    },
    "dvd": ISODate("2016-04-08T15:06:21.595Z"),
    "fresh": Int32(247),
    "production": "MGM Home Entertainment",
    "rotten": Int32(149),
    "website": "http://www.diaphana.fr/harry/"
    },
    "metacritic": Int32(100),
    "rated": "R"
}
```

2.1.2.2.6 movies Target Script

```
use sample_mflix;
db.createCollection("movies", {
  "capped": false,
  "validator": {
     "$jsonSchema": {
       "bsonType": "object",
       "title": "movies",
       "properties": {
          "_id": {
            "bsonType": "objectId"
          },
          "plot": {
             "bsonType": "string"
          },
          "genres": {
             "bsonType": "array",
             "additionalItems": true,
             "items": {
               "bsonType": "string"
             }
          },
          "runtime": {
             "bsonType": "int"
          },
          "cast": {
             "bsonType": "array",
             "additionalItems": true,
             "items": {
               "bsonType": "string"
             }
          },
          "num_mflix_comments": {
             "bsonType": "int"
          },
          "poster": {
             "bsonType": "string"
          },
          "title": {
             "bsonType": "string"
          },
          "fullplot": {
             "bsonType": "string"
          },
          "languages": {
            "bsonType": "array",
             "additionalItems": true,
             "items": {
               "bsonType": "string"
             }
          },
          "released": {
             "bsonType": "date"
          },
          "directors": {
             "bsonType": "array",
             "additionalItems": true,
             "items": {
               "bsonType": "string"
```

```
},
"writers": {
  "bsonType": "array",
  "additionalItems": true,
  "items": {
     "bsonType": "string"
  }
},
"awards": {
  "bsonType": "object",
  "properties": {
     "wins": {
       "bsonType": "int"
     },
     "nominations": {
       "bsonType": "int"
     },
     "text": {
       "bsonType": "string"
     }
  "additionalProperties": true,
  "required": [
     "wins",
     "nominations",
     "text"
  1
},
"lastupdated": {
  "bsonType": "date"
},
"year": {
  "bsonType": [
     "number",
     "string"
  ]
},
"imdb": {
  "bsonType": "object",
  "properties": {
     "rating": {
       "bsonType": "double"
     },
     "votes": {
       "bsonType": [
          "number",
          "string"
       ]
     },
     "id": {
       "bsonType": "int"
     }
  },
  "additionalProperties": true,
  "required": [
     "rating",
     "votes",
     "id"
},
"countries": {
```

```
"bsonType": "array",
  "additionalItems": true,
  "items": {
     "bsonType": "string"
  }
},
"type": {
  "bsonType": "string"
},
"tomatoes": {
  "bsonType": "object",
  "properties": {
     "viewer": {
       "bsonType": "object",
       "properties": {
          "rating": {
            "bsonType": "double"
          },
          "numReviews": {
            "bsonType": "int"
          },
          "meter": {
            "bsonType": "int"
          }
       },
       "additionalProperties": true,
       "required": [
          "rating",
          "numReviews"
       ]
     },
     "lastUpdated": {
       "bsonType": "date"
     },
     "boxOffice": {
       "bsonType": "string"
     },
     "consensus": {
       "bsonType": "string"
     },
     "critic": {
       "bsonType": "object",
       "properties": {
          "meter": {
            "bsonType": "int"
          },
          "numReviews": {
            "bsonType": "int"
          },
          "rating": {
            "bsonType": "double"
       },
       "additionalProperties": true
     "dvd": {
       "bsonType": "date"
     },
     "fresh": {
       "bsonType": "int"
     },
```

```
"production": {
                  "bsonType": "string"
                },
                "rotten": {
                  "bsonType": "int"
                },
                "website": {
                  "bsonType": "string"
                }
             },
             "additionalProperties": true,
             "required": [
               "viewer",
                "lastUpdated"
             1
          },
          "metacritic": {
             "bsonType": "int"
          },
          "rated": {
             "bsonType": "string"
          }
       },
       "additionalProperties": true,
       "required": [
          "_id",
          "num_mflix_comments",
          "title",
          "awards",
          "lastupdated",
          "year",
          "imdb",
          "countries",
          "type"
       ]
     }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
db.movies.createIndex({
  "_id": 1
},
{
  "name": "_id_"
});
db.movies.createIndex({
  "cast": "text",
  "fullplot": "text",
  "genres": "text",
  "title": "text"
},
{
  "name": "cast_text_fullplot_text_genres_text_title_text",
  "weights": {
     "cast": 1,
     "fullplot": 1,
     "genres": 1,
     "title": 1
```

```
},

"default_language": "english",

"language_override": "language",

"textIndexVersion": 3
});
```

2.1.2.3 Collection sessions

2.1.2.3.1 sessions Properties

| PROPERTY | VALUE |
|---------------------------|--------------|
| Collection name | sessions |
| Technical name | |
| Activated | true |
| Id | |
| \$ref | |
| Description | |
| Database | sample_mflix |
| Capped | |
| Time series | |
| Size | |
| Max | |
| Storage engine | WiredTiger |
| Config String | |
| Validation level | Off |
| Validation action | Warn |
| Encryption metadata | |
| Additional properties | true |
| Workload analysis | |
| [1] Actor | |
| Description | |
| Number of documents | |
| Avg document size (Bytes) | |
| Read-to-Write ratio | |
| Keep forever | |
| Retention (months) | |
| Write operations | |
| Read operations | |
| Comments | |

2.1.2.3.2 sessions Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---------|----------|------|-----|-------------|----------|
| _id | objectId | true | pk | | |
| user_id | string | true | | | |
| jwt | string | true | | | |

2.1.2.3.2.1 Field _id

2.1.2.3.2.1.1 _id Tree Diagram



2.1.2.3.2.1.2 _id properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | _id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Sample | |
| Comments | |

2.1.2.3.2.2 Field user_id

2.1.2.3.2.2.1 user_id Tree Diagram

| {ABC} | user_id |
|--------|---------|
| (I2.1) | string |

2.1.2.3.2.2.2 user_id properties

| PROPERTY | VALUE |
|------------------------|---------------------|
| Name | user_id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | t3qulfeem@kwiv5.6ur |
| Comments | |

2.1.2.3.2.3 Field jwt

2.1.2.3.2.3.1 jwt Tree Diagram



2.1.2.3.2.3.2 jwt properties

| PROPERTY | VALUE |
|------------------------|--|
| Name | jwt |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzl1NiJ9.eyJpYXQiOjE1MTk5MDkzMjEslm5iZiI6MTUxOT kwOTMyMSwianRpljoiNmJlZDAwMWYtNTFiYi00NzVhLTgxZDAtMDcwNGE5Mjk0MWZlli wiZXhwljoxNTE5OTEwMjlxLCJpZGVudGl0eSl6eyJlbWFpbCl6InQzcXVsZmVlbUBrd2l2N S42dXliLCJuYW1lljoiM2lveHJtZnF4liwicGFzc3dvcmQiOm51bGx9LCJmcmVzaCl6ZmFs c2UslnR5cGUiOiJhY2Nlc3MiLCJ1c2VyX2NsYWltcyl6eyJ1c2VyIjp7lmVtYWlsljoidDNxd WxmZWVtQGt3aXY1LjZ1cilslm5hbWUiOilzaW94cm1mcXgiLCJwYXNzd29yZCl6bnVsbH19fQ.ejtr_NyZyBronWMKuE0RFTjWejT0zGrdc_iymGtVs |
| Comments | |

2.1.2.3.3 sessions Indexes

| PROPERTY | _ID_ | USER_ID_1 |
|------------------------|------------------|----------------------|
| Name | _id_ | user_id_1 |
| Activated | | |
| Key | _id('ascending') | user_id('ascending') |
| Wildcard index | | |
| Hashed | | |
| Unique | | true |
| Drop duplicates | | |
| Sparse | | |
| Background indexing | | |
| Partial filter exp | | |
| Expire after (seconds) | | |
| Storage engine | | |
| Comments | | |

2.1.2.3.4 sessions JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "sessions",
  "properties": {
     "_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     "user_id": {
       "type": "string"
     },
     "jwt": {
       "type": "string"
     }
  "additionalProperties": true,
  "required": [
     "_id",
     "user_id",
     "jwt"
  ]
}
```

2.1.2.3.5 sessions JSON data

```
{
    "_id": ObjectId("7b45dee8b32b7e16be1dacac"),
    "user_id": "t3qulfeem@kwiv5.6ur",
    "jwt":
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzl1NiJ9.eyJpYXQiOjE1MTk5MDkzMjEsIm5iZiI6MTUxOTkwOTMyMSwianRpljoiNmJIZDA
    wMWYtNTFiYi00NzVhLTgxZDAtMDcwNGE5Mjk0MWZIliwiZXhwljoxNTE5OTEwMjIxLCJpZGVudGl0eSl6eyJlbWFpbCl6InQ
    zcXVsZmVlbUBrd2l2NS42dXliLCJuYW1lljoiM2lveHJtZnF4liwicGFzc3dvcmQiOm51bGx9LCJmcmVzaCl6ZmFsc2UsInR5c
    GUiOiJhY2Nlc3MiLCJ1c2VyX2NsYWltcyl6eyJ1c2Vyljp7ImVtYWlsljoidDNxdWxmZWVtQGt3aXY1LjZ1ciIsIm5hbWUiOilza
    W94cm1mcXgiLCJwYXNzd29yZCl6bnVsbH19fQ.ejtr_NyZyBronWMKuE0RFTjWej--T0zGrdc_iymGtVs"
}
```

2.1.2.3.6 sessions Target Script

```
use sample_mflix;
db.createCollection("sessions", {
  "capped": false,
  "validator": {
     "$jsonSchema": {
       "bsonType": "object",
       "title": "sessions",
       "properties": {
          "_id": {
            "bsonType": "objectId"
          },
          "user id": {
             "bsonType": "string"
          },
          "jwt": {
             "bsonType": "string"
          }
       },
       "additionalProperties": true,
       "required": [
          "_id",
          "user_id",
          "jwt"
     }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
db.sessions.createIndex({
  "_id": 1
},
{
  "name": "_id_"
});
db.sessions.createIndex({
  "user_id": 1
},
{
  "name": "user_id_1",
  "unique": true
});
```

2.1.2.4 Collection theaters

2.1.2.4.1 theaters Properties

| PROPERTY | VALUE |
|---------------------------|--------------|
| Collection name | theaters |
| Technical name | |
| Activated | true |
| Id | |
| \$ref | |
| Description | |
| Database | sample_mflix |
| Capped | |
| Time series | |
| Size | |
| Max | |
| Storage engine | WiredTiger |
| Config String | |
| Validation level | Off |
| Validation action | Warn |
| Encryption metadata | |
| Additional properties | true |
| Workload analysis | |
| [1] Actor | |
| Description | |
| Number of documents | |
| Avg document size (Bytes) | |
| Read-to-Write ratio | |
| Keep forever | |
| Retention (months) | |
| Write operations | |
| Read operations | |
| Comments | |

2.1.2.4.2 theaters Fields

| FIELD | ТҮРЕ | REQ | KEY | DESCRIPTION | COMMENTS |
|-------------|-------------|-------|-----|-------------|----------|
| _id | objectId | true | pk | | |
| theaterId | integer32 | true | | | |
| location | document | true | | | |
| address | document | true | | | |
| street1 | string | true | | | |
| city | string | true | | | |
| state | string | true | | | |
| zipcode | string | true | | | |
| street2 | string,null | false | | | |
| geo | document | true | | | |
| type | string | true | | | |
| coordinates | array | true | | | |
| [0] | double | false | | | |

2.1.2.4.2.1 Field _id

2.1.2.4.2.1.1 _id Tree Diagram



2.1.2.4.2.1.2 _id properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | _id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Sample | |
| Comments | |

2.1.2.4.2.2 Field theaterId

2.1.2.4.2.2.1 theaterId Tree Diagram

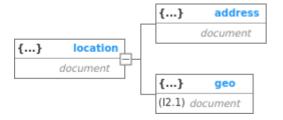


2.1.2.4.2.2 theaterId properties

| PROPERTY | VALUE |
|------------------------|-----------|
| Name | theaterId |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | integer32 |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | 8920 |
| Comments | |

2.1.2.4.2.3 Field location

2.1.2.4.2.3.1 location Tree Diagram



2.1.2.4.2.3.2 location Hierarchy

Parent field: theaters

Child field(s):

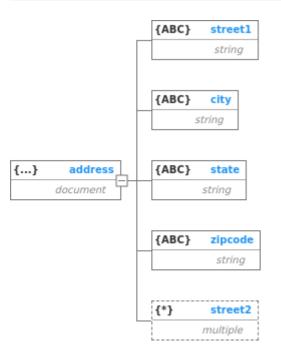
| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---------|----------|------|-----|-------------|----------|
| address | document | true | | | |
| geo | document | true | | | |

2.1.2.4.2.3.3 location properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | location |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.4.2.4 Field address

2.1.2.4.2.4.1 address Tree Diagram



2.1.2.4.2.4.2 address Hierarchy

Parent field: **location**

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---------|-------------|-------|-----|-------------|----------|
| street1 | string | true | | | |
| city | string | true | | | |
| state | string | true | | | |
| zipcode | string | true | | | |
| street2 | string,null | false | | | |

2.1.2.4.2.4.3 address properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | address |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.4.2.5 Field street1

2.1.2.4.2.5.1 street1 Tree Diagram



2.1.2.4.2.5.2 street1 properties

| PROPERTY | VALUE |
|------------------------|---------------|
| Name | street1 |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | 4620 Garth Rd |
| Comments | |

2.1.2.4.2.6 Field city

2.1.2.4.2.6.1 city Tree Diagram



2.1.2.4.2.6.2 city properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | city |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Baytown |
| Comments | |

2.1.2.4.2.7 Field state

2.1.2.4.2.7.1 state Tree Diagram



2.1.2.4.2.7.2 state properties

| PROPERTY | VALUE |
|------------------------|--------|
| Name | state |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | TX |
| Comments | |

2.1.2.4.2.8 Field zipcode

2.1.2.4.2.8.1 zipcode Tree Diagram



2.1.2.4.2.8.2 zipcode properties

| PROPERTY | VALUE |
|------------------------|---------|
| Name | zipcode |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | 77521 |
| Comments | |

2.1.2.4.2.9 Field street2

2.1.2.4.2.9.1 street2 Tree Diagram



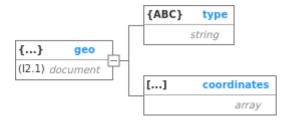
2.1.2.4.2.9.2 street2 properties

| PROPERTY | VALUE |
|------------------------|------------------------|
| Name | street2 |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | multiple (string,null) |
| Description | 1 (3,) |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |
| | |
| Name | |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | 3 |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| 23 | |
| | |
| Name | |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Type | null |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Tilliary RCy | Idiac |

| PROPERTY | VALUE |
|--------------------|-------|
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Comments | |
| | |

2.1.2.4.2.10 Field geo

2.1.2.4.2.10.1 geo Tree Diagram



2.1.2.4.2.10.2 geo Hierarchy

Parent field: **location**

Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------------|--------|------|-----|-------------|----------|
| type | string | true | | | |
| coordinates | array | true | | | |

2.1.2.4.2.10.3 geo properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | geo |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | true |
| Comments | |

2.1.2.4.2.11 Field type

2.1.2.4.2.11.1 type Tree Diagram



2.1.2.4.2.11.2 type properties

| PROPERTY | VALUE |
|------------------------|--------|
| Name | type |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Point |
| Comments | |

2.1.2.4.2.12 Field coordinates

2.1.2.4.2.12.1 coordinates Tree Diagram



2.1.2.4.2.12.2 coordinates Hierarchy

Parent field: **geo** Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|---------|-------|-----|-------------|----------|
| [0] | numeric | false | | | |

2.1.2.4.2.12.3 coordinates properties

| PROPERTY | VALUE |
|------------------------|-------------|
| Name | coordinates |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Min items | |
| Max items | |
| Unique items | |
| Additional items | true |
| Quantification | |
| Comments | |

2.1.2.4.2.13 Field [0]

2.1.2.4.2.13.1 [0] Tree Diagram



2.1.2.4.2.13.2 [0] properties

| PROPERTY | VALUE |
|------------------------|------------|
| Display name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | numeric |
| Subtype | double |
| Description | |
| Dependencies | |
| Primary key | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Unit | |
| Min value | |
| Excl min | |
| Max value | |
| Excl max | |
| Multiple of | |
| Divisible by | |
| Enum | |
| Faker function | |
| Sample | -121.96328 |
| Comments | |

2.1.2.4.3 theaters Indexes

| PROPERTY | _ID_ | GEO INDEX |
|------------------------|------------------|-----------------|
| Name | _id_ | geo index |
| Activated | | |
| Key | _id('ascending') | geo('2DSphere') |
| Wildcard index | | |
| Hashed | | |
| Unique | | |
| Drop duplicates | | |
| Sparse | | |
| Background indexing | | |
| Partial filter exp | | |
| Expire after (seconds) | | |
| Storage engine | | |
| Comments | | |

2.1.2.4.4 theaters JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "theaters",
  "properties": {
     "_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     },
     "theaterId": {
       "type": "integer"
     },
     "location": {
       "type": "object",
       "properties": {
          "address": {
             "type": "object",
             "properties": {
                "street1": {
                  "type": "string"
               },
                "city": {
                  "type": "string"
                },
                "state": {
                  "type": "string"
                },
                "zipcode": {
                  "type": "string"
                },
                "street2": {
                  "type": [
                     "string",
                     "null"
                  ]
                }
             },
             "additionalProperties": true,
             "required": [
                "street1",
                "city",
                "state",
               "zipcode"
             ]
          },
          "geo": {
             "type": "object",
             "properties": {
                "type": {
                  "type": "string"
                },
                "coordinates": {
                  "type": "array",
                  "additionalItems": true,
                  "items": {
                     "type": "number"
                  }
                }
             "additionalProperties": true,
```

```
"required": [
                "type",
                "coordinates"
             ]
          }
       },
       "additionalProperties": true,
       "required": [
          "address",
          "geo"
     }
  },
  "additionalProperties": true,
  "required": [
     " id",
     "theaterId",
     "location"
  ]
}
```

2.1.2.4.5 theaters JSON data

```
"_id": ObjectId("ddacc3e8d9f5aee5ab122faf"),
  "theaterId": Int32(8920),
  "location": {
     "address": {
       "street1": "4620 Garth Rd",
       "city": "Baytown",
       "state": "TX",
       "zipcode": "77521",
       "street2": "Lorem"
    },
     "geo": {
       "type": "Point",
       "coordinates": [
          Double(-121.96328)
     }
  }
}
```

2.1.2.4.6 theaters Target Script

```
use sample_mflix;
db.createCollection("theaters", {
  "capped": false,
  "validator": {
     "$jsonSchema": {
        "bsonType": "object",
       "title": "theaters",
       "properties": {
          "_id": {
             "bsonType": "objectId"
          },
          "theaterId": {
             "bsonType": "int"
          },
          "location": {
             "bsonType": "object",
             "properties": {
                "address": {
                  "bsonType": "object",
                  "properties": {
                     "street1": {
                       "bsonType": "string"
                     },
                     "city": {
                        "bsonType": "string"
                     },
                     "state": {
                       "bsonType": "string"
                     },
                     "zipcode": {
                       "bsonType": "string"
                     },
                     "street2": {
                       "bsonType": [
                          "string",
                          "null"
                       ]
                     }
                  },
                  "additionalProperties": true,
                  "required": [
                     "street1",
                     "city",
                     "state",
                     "zipcode"
                  ]
               },
                "geo": {
                  "bsonType": "object",
                  "properties": {
                     "type": {
                       "bsonType": "string"
                     },
                     "coordinates": {
                       "bsonType": "array",
                       "additionalItems": true,
                        "items": {
                          "bsonType": "double"
                       }
```

```
"additionalProperties": true,
                  "required": [
                     "type",
                     "coordinates"
                  ]
               }
            },
             "additionalProperties": true,
             "required": [
               "address",
               "geo"
            ]
          }
       },
       "additionalProperties": true,
       "required": [
          "_id",
          "theaterId",
          "location"
       ]
     }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
db.theaters.createIndex({
  "_id": 1
},
{
  "name": "_id_"
});
db.theaters.createIndex({
  "location.geo": "2dsphere"
},
{
  "name": "geo index",
  "2dsphereIndexVersion": 3
});
```

2.1.2.5 Collection users

2.1.2.5.1 users Properties

| PROPERTY | VALUE |
|---------------------------|--------------|
| Collection name | users |
| Technical name | |
| Activated | true |
| Id | |
| \$ref | |
| Description | |
| Database | sample_mflix |
| Capped | |
| Time series | |
| Size | |
| Max | |
| Storage engine | WiredTiger |
| Config String | |
| Validation level | Off |
| Validation action | Warn |
| Encryption metadata | |
| Additional properties | true |
| Workload analysis | |
| [1] Actor | |
| Description | |
| Number of documents | |
| Avg document size (Bytes) | |
| Read-to-Write ratio | |
| Keep forever | |
| Retention (months) | |
| Write operations | |
| Read operations | |
| Comments | |

2.1.2.5.2 users Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|----------|----------|------|-----|-------------|----------|
| _id | objectId | true | pk | | |
| name | string | true | | | |
| email | string | true | | | |
| password | string | true | | | |

2.1.2.5.2.1 Field _id

2.1.2.5.2.1.1 _id Tree Diagram



2.1.2.5.2.1.2 _id properties

| PROPERTY | VALUE |
|------------------------|----------|
| Name | _id |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Default | |
| Sample | |
| Comments | |

2.1.2.5.2.2 Field name

2.1.2.5.2.2.1 name Tree Diagram

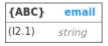


2.1.2.5.2.2.2 name properties

| PROPERTY | VALUE |
|------------------------|------------------|
| Name | name |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | Lori Blankenship |
| Comments | |

2.1.2.5.2.3 Field email

2.1.2.5.2.3.1 email Tree Diagram



2.1.2.5.2.3.2 email properties

| PROPERTY | VALUE |
|------------------------|--------------------------------|
| Name | email |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | lori_blankenship@fakegmail.com |
| Comments | |

2.1.2.5.2.4 Field password

2.1.2.5.2.4.1 password Tree Diagram



2.1.2.5.2.4.2 password properties

| PROPERTY | VALUE |
|------------------------|---|
| Name | password |
| Technical name | |
| Activated | true |
| Id | |
| Field-level encryption | |
| Туре | string |
| Description | |
| Format | |
| Pattern | |
| Min length | |
| Max length | |
| Default | |
| Enum | |
| Required | true |
| Primary key | false |
| Dependencies | |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Relationship name | |
| Cardinality | |
| Faker function | |
| Sample | \$2b\$12\$SQUa.3cIKcazfuUOpd9/huR.VeFAH.uR.ESvIMfbMW1YQjZx47Tw6 |
| Comments | |

2.1.2.5.3 users Indexes

| PROPERTY | _ID_ | EMAIL_1 |
|------------------------|------------------|--------------------|
| Name | _id_ | email_1 |
| Activated | | |
| Key | _id('ascending') | email('ascending') |
| Wildcard index | | |
| Hashed | | |
| Unique | | true |
| Drop duplicates | | |
| Sparse | | |
| Background indexing | | |
| Partial filter exp | | |
| Expire after (seconds) | | |
| Storage engine | | |
| Comments | | |

2.1.2.5.4 users JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "users",
  "properties": {
     "_id": {
       "type": "string",
       "pattern": "^[a-fA-F0-9]{24}$"
     },
     "name": {
       "type": "string"
     },
     "email": {
       "type": "string"
     },
     "password": {
       "type": "string"
     }
  },
  "additionalProperties": true,
  "required": [
     "_id",
     "name",
     "email",
     "password"
  ]
}
```

2.1.2.5.5 users JSON data

```
{
    "_id": ObjectId("9173f9da05f07cd2ade95bca"),
    "name": "Lori Blankenship",
    "email": "lori_blankenship@fakegmail.com",
    "password": "$2b$12$SQUa.3cIKcazfuUOpd9/huR.VeFAH.uR.ESvIMfbMW1YQjZx47Tw6"
}
```

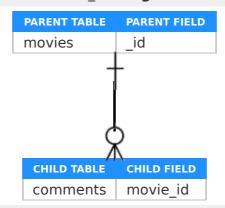
2.1.2.5.6 users Target Script

```
use sample_mflix;
db.createCollection("users", {
  "capped": false,
  "validator": {
     "$jsonSchema": {
       "bsonType": "object",
       "title": "users",
       "properties": {
          "_id": {
            "bsonType": "objectId"
          },
          "name": {
             "bsonType": "string"
          },
          "email": {
             "bsonType": "string"
          "password": {
             "bsonType": "string"
          }
       },
       "additionalProperties": true,
       "required": [
          " id",
          "name",
          "email",
          "password"
       1
     }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
db.users.createIndex({
  "_id": 1
},
{
  "name": "_id_"
});
db.users.createIndex({
  "email": 1
},
{
  "name": "email_1",
  "unique": true
});
```

3. RELATIONSHIPS

3.1 Relationship fk movies._id to comments.movie_id

3.1.1 fk movies._id to comments.movie_id Diagram



3.1.2 fk movies._id to comments.movie_id Properties

| PROPERTY | VALUE |
|--------------------|----------------------------------|
| Name | fk moviesid to comments.movie_id |
| Description | |
| Parent Collection | movies |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | comments |
| Child field | movie_id |
| Child Cardinality | 0n |
| Comments | |