# {-}ackolade

## MongoDB Physical Model

Schema for:

Model name: New Model
Author:
Version:
File name: New Model.json
File path: /Users/rhoop/Dropbox/New Model.json
Printed On: Sun Nov 25 2018 02:45:32 GMT-0800 (PST)
Created with: Hackolade - Visual data modeling for NoSQL and multimodel databases

## 1. Model

## 2. Databases

### 2.1 vuliapi
2.1.1 customer
2.1.2 movie
2.1.3 scene
2.1.4 series
2.1.5 star
2.1.6 studio
2.1.7 volume

## 3. Relationships

3.1 fk movie._id to customer.disliked.movies.[0]
3.2 fk movie._id to customer.liked.movies.[0]
3.3 fk movie._id to customer.purchased.movies.[0]
3.4 fk movie._id to customer.wishlist.movies.[0]
3.5 fk scene._id to customer.disliked.scenes.[0]
3.6 fk scene._id to customer.liked.scenes.[0]
3.7 fk scene._id to customer.purchased.scenes.[0]
3.8 fk scene._id to customer.wishlist.scenes.[0]
3.9 fk scene._id to volume.scenes.[0]
3.10 fk series._id to scene.series
3.11 fk series._id to volume.series
3.12 fk star._id to customer.disliked.stars.[0]
3.13 fk star._id to customer.liked.stars.[0]
3.14 fk star._id to movie.information.director.[0]
3.15 fk star._id to movie.information.stars.[0]
3.16 fk star._id to scene.information.director.[0]
3.17 fk star._id to scene.information.stars.[0]
3.18 fk star._id to volume.information.director.[0]
3.19 fk star._id to volume.information.stars.[0]
3.20 fk studio._id to movie.information.studio
3.21 fk studio._id to scene.information.studio
3.22 fk studio._id to volume.information.studio
3.23 fk volume._id to customer.disliked.volumes.[0]
3.24 fk volume._id to customer.purchased.volumes.[0]
3.25 fk volume._id to customer.wishlist.volumes.[0]
3.26 fk volume._id to scene.volume
3.27 fk volume._id to series.volumes.[0]

## 1. MODEL

### 1.1 Model New Model

#### 1.1.1 New Model Entity Relationship Diagram
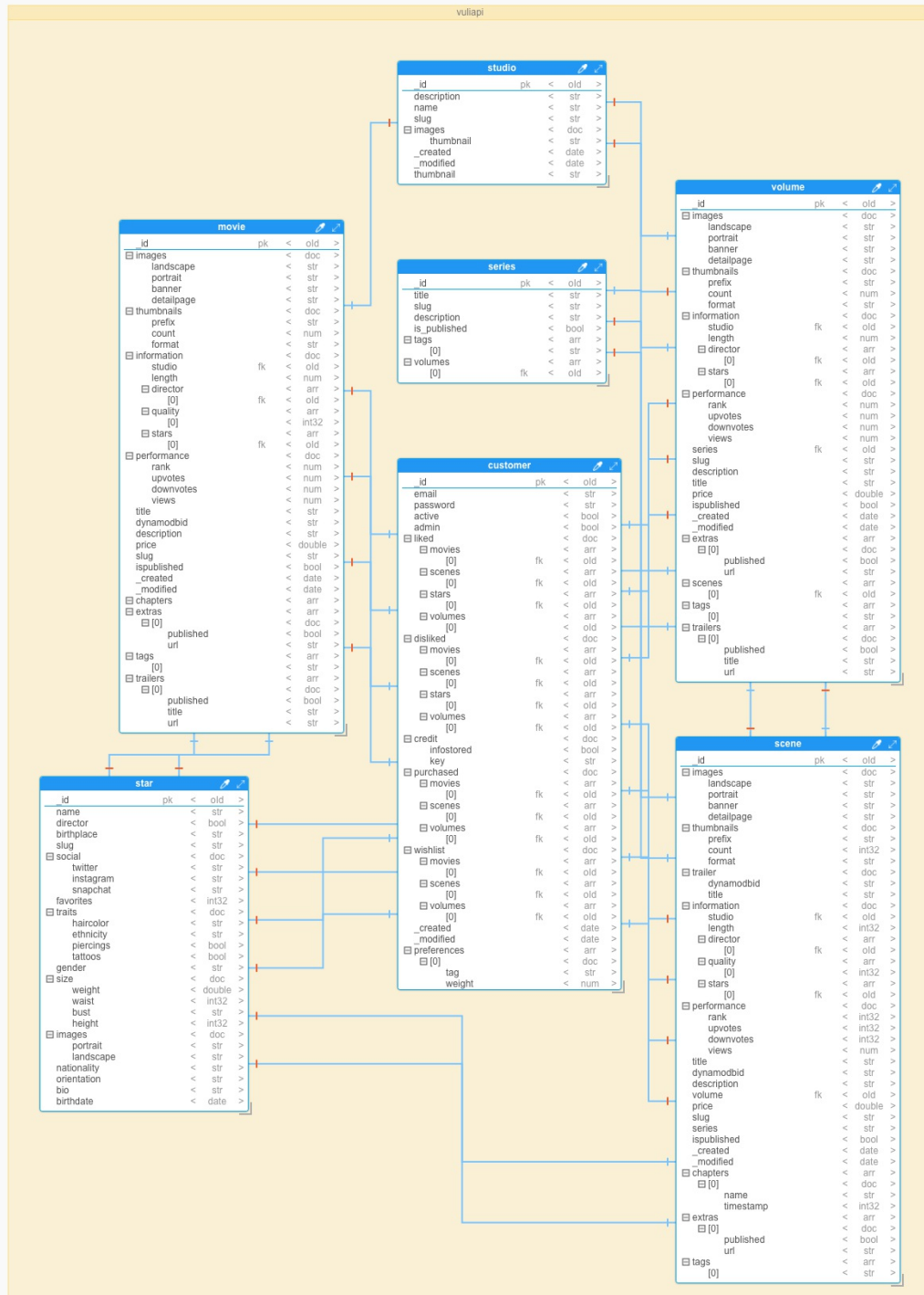
### 1.1.2 New Model Properties

| PROPERTY | VALUE |
|---|---|
| Model name | New Model |
| Description | |
| Author | |
| Version | |
| DB vendor | MongoDB |
| DB version | v4.0 |
| Enable sharding | |
| Comments | |

### 1.1.3 New Model DB Definitions

## 2. DATABASES

### 2.1 Database vuliapi
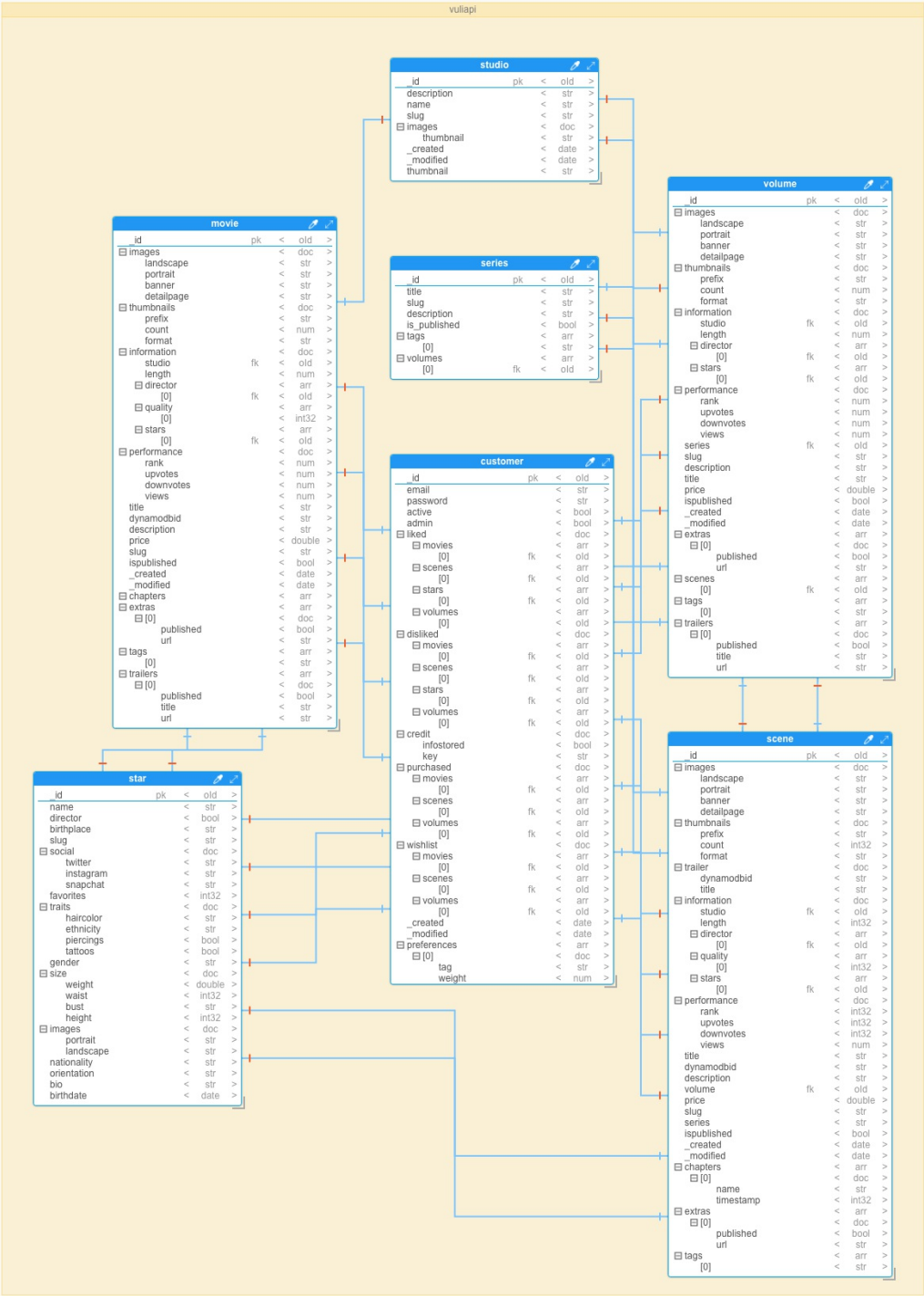
## 2.1.1 vuliapi Properties

| PROPERTY | VALUE |
|---|---|
| Database name | vuliapi |
| Description | |
| Comments | |

## 2.1.2 vuliapi Collections

### 2.1.2.1 Collection customer

## 2.1.2.1.1 customer Tree Diagram

| | |
|---|---|
| {_id} _id | |
| type | objectId |

| | |
|---|---|
| {ABC} email | |
| type | string |

| | |
|---|---|
| {ABC} password | |
| type | string |

| | |
|---|---|
| {0/1} active | |
| type | boolean |

| | |
|---|---|
| {0/1} admin | |
| type | boolean |

**liked** (document)
- movies (array) → _id [0]* (objectId)
- scenes (array) → _id [0]* (objectId)
- stars (array) → _id [0]* (objectId)
- volumes (array) → _id [0]* (objectId)

**disliked** (document)
- movies (array) → _id [0]* (objectId)
- scenes (array) → _id [0]* (objectId)
- stars (array) → _id [0]* (objectId)
- volumes (array) → _id [0]* (objectId)

**credit** (document)
- infostored (boolean) {0/1}
- key (string) {ABC}

**purchased** (document)
- movies (array) → _id [0]* (objectId)
- scenes (array) → _id [0]* (objectId)
- volumes (array) → _id [0]* (objectId)

**wishlist** (document)
- movies (array) → _id [0]* (objectId)
- scenes (array) → _id [0]* (objectId)
- volumes (array) → _id [0]* (objectId)

| | |
|---|---|
| {dt} _created | |
| type | date |

| | |
|---|---|
| {dt} _modified | |
| type | date |

**preferences** (array)
- {...} [0]* (document)
  - tag (string) {ABC}
  - weight (numeric) {123}

**customer** (document)

## 2.1.2.1.2 customer Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | customer |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

### 2.1.2.1.3 customer Fields

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

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| _id | objectId | true | | | |
| email | string | true | | | |
| password | string | true | | | |
| active | boolean | true | | | |
| admin | boolean | true | | | |
| liked | document | true | | | |
| movies | array | false | | | |
| [0] | objectId | false | | | |
| scenes | array | false | | | |
| [0] | objectId | false | | | |
| stars | array | false | | | |
| [0] | objectId | false | | | |
| volumes | array | false | | | |
| [0] | objectId | false | | | |
| disliked | document | true | | | |
| movies | array | false | | | |
| [0] | objectId | false | | | |
| scenes | array | false | | | |
| [0] | objectId | false | | | |
| stars | array | false | | | |
| [0] | objectId | false | | | |
| volumes | array | false | | | |
| [0] | objectId | false | | | |
| credit | document | true | | | |
| infostored | boolean | false | | | |
| key | string | false | | | |
| purchased | document | true | | | |
| movies | array | false | | | |
| [0] | objectId | false | | | |
| scenes | array | false | | | |
| [0] | objectId | false | | | |
| volumes | array | false | | | |
| [0] | objectId | false | | | |
| wishlist | document | true | | | |
| movies | array | false | | | |
| [0] | objectId | false | | | |
| scenes | array | false | | | |
| [0] | objectId | false | | | |
| volumes | array | false | | | |
| [0] | objectId | false | | | |
| _created | date | true | | | |
| _modified | date | true | | | |
| preferences | array | true | | | |
| [0] | document | false | | | |
| tag | string | false | | | |
| weight | numeric | true | | | |

### 2.1.2.1.3.1 Field _id

### 2.1.2.1.3.1.1 _id Tree Diagram

```
{_id} _id
type      objectId
```

### 2.1.2.1.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.1.3.2 Field email

### 2.1.2.1.3.2.1 email Tree Diagram

```
{ABC} email
type      string
```

### 2.1.2.1.3.2.2 email properties

| PROPERTY | VALUE |
|---|---|
| Name | email |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | testuser@vuli.tv |
| Comments | |

## 2.1.2.1.3.3 Field password

### 2.1.2.1.3.3.1 password Tree Diagram

```
{ABC} password
type          string
```

### 2.1.2.1.3.3.2 password properties

| PROPERTY | VALUE |
|---|---|
| Name | password |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | $2a$10$MBGJbyYwaM0G9VYWWkopOOahV1kFqpjJwnVAyYnOXui2glfQdWU9q |
| Comments | |

### 2.1.2.1.3.4 Field active

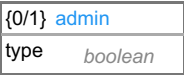### 2.1.2.1.3.4.1 active Tree Diagram

```
{0/1} active
type          boolean
```

### 2.1.2.1.3.4.2 active properties

| PROPERTY | VALUE |
|---|---|
| Name | active |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | true |
| Comments | |

### 2.1.2.1.3.5 Field admin

## 2.1.2.1.3.5.1 admin Tree Diagram

```
{0/1} admin
type        boolean
```

## 2.1.2.1.3.5.2 admin properties

| PROPERTY | VALUE |
|---|---|
| Name | admin |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | true |
| Comments | |

## 2.1.2.1.3.6 Field liked

## 2.1.2.1.3.6.1 liked Tree Diagram
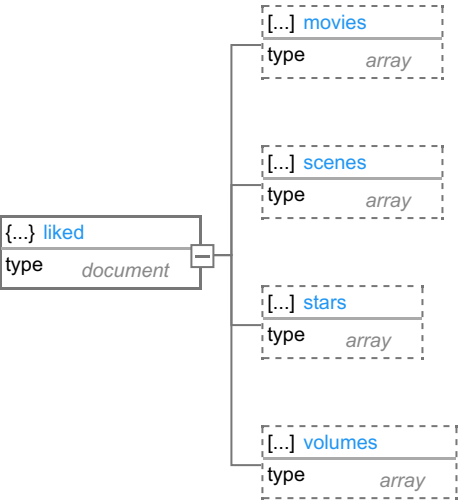


## 2.1.2.1.3.6.2 liked Hierarchy

Parent field: customer
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| movies | array | false | | | |
| scenes | array | false | | | |
| stars | array | false | | | |
| volumes | array | false | | | |

### 2.1.2.1.3.6.3 liked properties

| PROPERTY | VALUE |
|---|---|
| Name | liked |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.1.3.7 Field movies

### 2.1.2.1.3.7.1 movies Tree Diagram

| [...] movies | | {_id} [0]* |
|---|---|---|
| type | *array* | type | *objectId* |
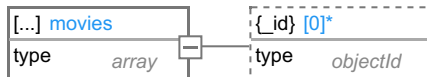
### 2.1.2.1.3.7.2 movies Hierarchy

Parent field: liked
Child field(s):

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

### 2.1.2.1.3.7.3 movies properties

| PROPERTY | VALUE |
|---|---|
| Name | movies |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.8 Field New Field

## 2.1.2.1.3.8.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

## 2.1.2.1.3.8.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | movie |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.1.3.9 Field scenes

## 2.1.2.1.3.9.1 scenes Tree Diagram

| [...] scenes | | {_id} [0]* | |
|---|---|---|---|
| type | *array* | type | *objectId* |
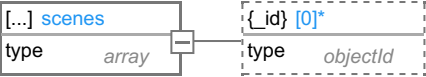
## 2.1.2.1.3.9.2 scenes Hierarchy

Parent field: liked
Child field(s):

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

### 2.1.2.1.3.9.3 scenes properties

| PROPERTY | VALUE |
|---|---|
| Name | scenes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.10 Field New Field

### 2.1.2.1.3.10.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.10.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | scene |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.11 Field stars

### 2.1.2.1.3.11.1 stars Tree Diagram

```
[...] stars              {_id} [0]*
type      array   ─     type      objectId
```

### 2.1.2.1.3.11.2 stars Hierarchy

Parent field: liked
Child field(s):

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

### 2.1.2.1.3.11.3 stars properties

| PROPERTY | VALUE |
|----------|-------|
| Name | stars |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.12 Field New Field

### 2.1.2.1.3.12.1 New Field Tree Diagram

```
{_id} New Field
type      objectId
```

### 2.1.2.1.3.12.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.13 Field volumes

### 2.1.2.1.3.13.1 volumes Tree Diagram
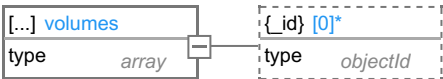


### 2.1.2.1.3.13.2 volumes Hierarchy

Parent field: liked
Child field(s):

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

### 2.1.2.1.3.13.3 volumes properties

| PROPERTY | VALUE |
|---|---|
| Name | volumes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.14 Field New Field

### 2.1.2.1.3.14.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.14.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.15 Field disliked

### 2.1.2.1.3.15.1 disliked Tree Diagram
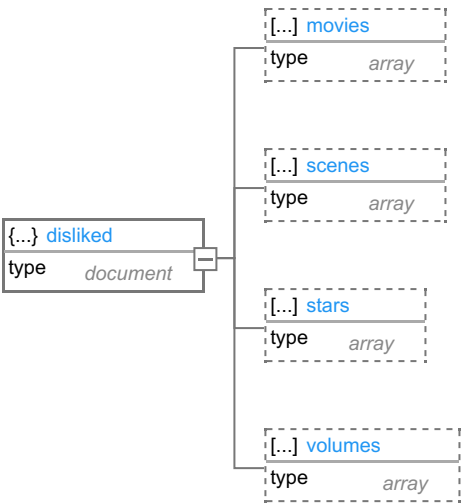


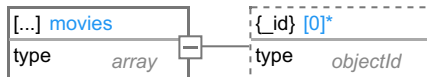### 2.1.2.1.3.15.2 disliked Hierarchy

Parent field: customer
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| movies | array | false | | | |
| scenes | array | false | | | |
| stars | array | false | | | |
| volumes | array | false | | | |

### 2.1.2.1.3.15.3 disliked properties

| PROPERTY | VALUE |
|---|---|
| Name | disliked |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.1.3.16 Field movies

### 2.1.2.1.3.16.1 movies Tree Diagram



### 2.1.2.1.3.16.2 movies Hierarchy

Parent field: disliked
Child field(s):

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

### 2.1.2.1.3.16.3 movies properties

| PROPERTY | VALUE |
|---|---|
| Name | movies |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.17 Field New Field

### 2.1.2.1.3.17.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.17.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | movie |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.18 Field scenes

### 2.1.2.1.3.18.1 scenes Tree Diagram

| [...] scenes | | {_id} [0]* | |
|---|---|---|---|
| type | *array* | type | *objectId* |
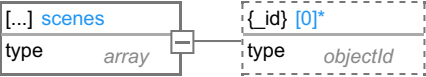
### 2.1.2.1.3.18.2 scenes Hierarchy

Parent field: disliked
Child field(s):

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

### 2.1.2.1.3.18.3 scenes properties

| PROPERTY | VALUE |
|---|---|
| Name | scenes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.19 Field New Field

### 2.1.2.1.3.19.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.19.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | scene |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.20 Field stars

### 2.1.2.1.3.20.1 stars Tree Diagram

```
[...] stars                {_id} [0]*
type        array    ─    type      objectId
```

### 2.1.2.1.3.20.2 stars Hierarchy

Parent field: disliked
Child field(s):

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

### 2.1.2.1.3.20.3 stars properties

| PROPERTY | VALUE |
|----------|-------|
| Name | stars |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.21 Field New Field

### 2.1.2.1.3.21.1 New Field Tree Diagram

```
{_id} New Field
type        objectId
```

### 2.1.2.1.3.21.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.22 Field volumes

### 2.1.2.1.3.22.1 volumes Tree Diagram

| [...] volumes | | {_id} [0]* |
|---|---|---|
| type | array | type | objectId |
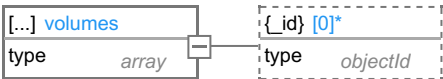
### 2.1.2.1.3.22.2 volumes Hierarchy

Parent field: disliked
Child field(s):

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

### 2.1.2.1.3.22.3 volumes properties

| PROPERTY | VALUE |
|---|---|
| Name | volumes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.23 Field New Field

## 2.1.2.1.3.23.1 New Field Tree Diagram

```
{_id} New Field
type          objectId
```

## 2.1.2.1.3.23.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | volume |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.1.3.24 Field credit

## 2.1.2.1.3.24.1 credit Tree Diagram

```
                    {0/1} infostored
                    type          boolean

{...} credit ─┤
type  document
                    {ABC} key
                    type          string
```
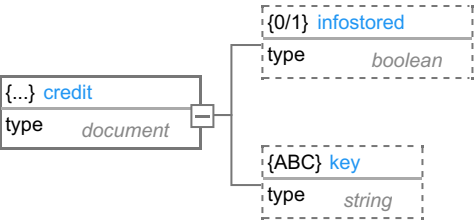
## 2.1.2.1.3.24.2 credit Hierarchy

Parent field: customer
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| infostored | boolean | false | | | |
| key | string | false | | | |

### 2.1.2.1.3.24.3 credit properties

| PROPERTY | VALUE |
| --- | --- |
| Name | credit |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.1.3.25 Field infostored

### 2.1.2.1.3.25.1 infostored Tree Diagram

| {0/1} infostored | |
| --- | --- |
| type | *boolean* |

### 2.1.2.1.3.25.2 infostored properties

| PROPERTY | VALUE |
| --- | --- |
| Name | infostored |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.1.3.26 Field key

### 2.1.2.1.3.26.1 key Tree Diagram

| {ABC} key | |
| --- | --- |
| type | *string* |

### 2.1.2.1.3.26.2 key properties

| PROPERTY | VALUE |
|---|---|
| Name | key |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.1.3.27 Field purchased

### 2.1.2.1.3.27.1 purchased Tree Diagram
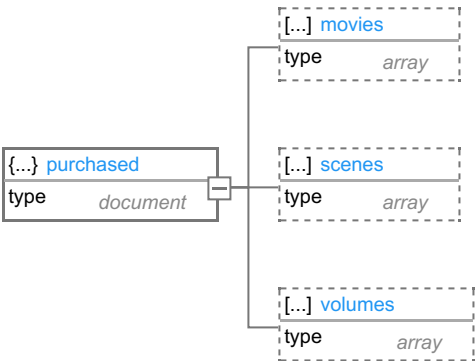


### 2.1.2.1.3.27.2 purchased Hierarchy

Parent field: customer
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| movies | array | false | | | |
| scenes | array | false | | | |
| volumes | array | false | | | |

### 2.1.2.1.3.27.3 purchased properties

| PROPERTY | VALUE |
|---|---|
| Name | purchased |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.1.3.28 Field movies

### 2.1.2.1.3.28.1 movies Tree Diagram
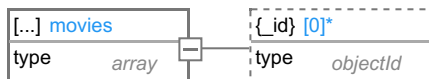


### 2.1.2.1.3.28.2 movies Hierarchy

Parent field: purchased
Child field(s):

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

### 2.1.2.1.3.28.3 movies properties

| PROPERTY | VALUE |
|---|---|
| Name | movies |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.29 Field New Field

### 2.1.2.1.3.29.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.29.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | movie |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.30 Field scenes

### 2.1.2.1.3.30.1 scenes Tree Diagram

| [...] scenes | | | {_id} [0]* | |
|---|---|---|---|---|
| type | *array* | | type | *objectId* |

### 2.1.2.1.3.30.2 scenes Hierarchy

Parent field: purchased
Child field(s):

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

### 2.1.2.1.3.30.3 scenes properties

| PROPERTY | VALUE |
|---|---|
| Name | scenes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.31 Field New Field

### 2.1.2.1.3.31.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.31.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | scene |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.32 Field volumes

## 2.1.2.1.3.32.1 volumes Tree Diagram

```
[...] volumes              {_id} [0]*
type           array       type        objectId
```

## 2.1.2.1.3.32.2 volumes Hierarchy

Parent field: purchased
Child field(s):

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

## 2.1.2.1.3.32.3 volumes properties

| PROPERTY | VALUE |
|----------|-------|
| Name | volumes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.33 Field New Field

## 2.1.2.1.3.33.1 New Field Tree Diagram

```
{_id} New Field
type        objectId
```

### 2.1.2.1.3.33.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | volume |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.1.3.34 Field wishlist

### 2.1.2.1.3.34.1 wishlist Tree Diagram
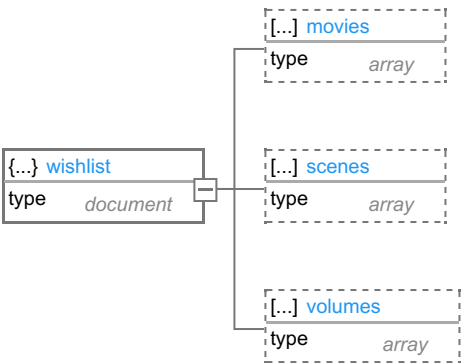


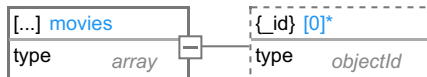### 2.1.2.1.3.34.2 wishlist Hierarchy

Parent field: customer
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| movies | array | false | | | |
| scenes | array | false | | | |
| volumes | array | false | | | |

### 2.1.2.1.3.34.3 wishlist properties

| PROPERTY | VALUE |
|---|---|
| Name | wishlist |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.1.3.35 Field movies

### 2.1.2.1.3.35.1 movies Tree Diagram

```
[...] movies          {_id} [0]*
type      array        type      objectId
```

### 2.1.2.1.3.35.2 movies Hierarchy

Parent field: wishlist
Child field(s):

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

### 2.1.2.1.3.35.3 movies properties

| PROPERTY | VALUE |
|---|---|
| Name | movies |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.36 Field New Field

## 2.1.2.1.3.36.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

## 2.1.2.1.3.36.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | movie |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.1.3.37 Field scenes

## 2.1.2.1.3.37.1 scenes Tree Diagram

| [...] scenes | |   | {_id} [0]* | |
|---|---|---|---|---|
| type | *array* |   | type | *objectId* |

## 2.1.2.1.3.37.2 scenes Hierarchy

Parent field: wishlist
Child field(s):

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

### 2.1.2.1.3.37.3 scenes properties

| PROPERTY | VALUE |
|---|---|
| Name | scenes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.1.3.38 Field New Field

### 2.1.2.1.3.38.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.38.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | scene |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.39 Field volumes

## 2.1.2.1.3.39.1 volumes Tree Diagram

| [...] volumes | | {_id} [0]* | |
|---|---|---|---|
| type | *array* | type | *objectId* |
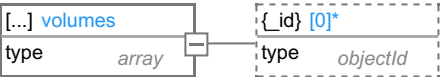
## 2.1.2.1.3.39.2 volumes Hierarchy

Parent field: wishlist
Child field(s):

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

## 2.1.2.1.3.39.3 volumes properties

| PROPERTY | VALUE |
|---|---|
| Name | volumes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.40 Field New Field

## 2.1.2.1.3.40.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.1.3.40.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | volume |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.1.3.41 Field _created

### 2.1.2.1.3.41.1 _created Tree Diagram

```
{dt} _created
type          date
```

### 2.1.2.1.3.41.2 _created properties

| PROPERTY | VALUE |
|---|---|
| Name | _created |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-24T08:10:12.795Z |
| Comments | |

### 2.1.2.1.3.42 Field _modified

### 2.1.2.1.3.42.1 _modified Tree Diagram

```
{dt} _modified
type          date
```

### 2.1.2.1.3.42.2 _modified properties

| PROPERTY | VALUE |
|---|---|
| Name | _modified |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-24T08:10:12.795Z |
| Comments | |

## 2.1.2.1.3.43 Field preferences

### 2.1.2.1.3.43.1 preferences Tree Diagram
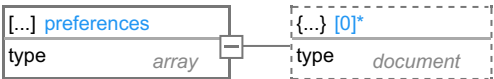


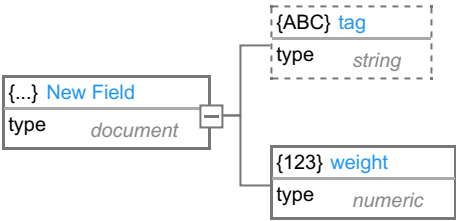### 2.1.2.1.3.43.2 preferences Hierarchy

Parent field: customer
Child field(s):

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

### 2.1.2.1.3.43.3 preferences properties

| PROPERTY | VALUE |
|---|---|
| Name | preferences |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.1.3.44 Field New Field

## 2.1.2.1.3.44.1 New Field Tree Diagram



## 2.1.2.1.3.44.2 New Field Hierarchy

Parent field: preferences
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| tag | string | false | | | |
| weight | numeric | true | | | |

## 2.1.2.1.3.44.3 New Field properties

| PROPERTY | VALUE |
|----------|-------|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.1.3.45 Field tag

## 2.1.2.1.3.45.1 tag Tree Diagram
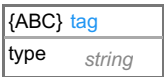
### 2.1.2.1.3.45.2 tag properties

| PROPERTY | VALUE |
|---|---|
| Name | tag |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.1.3.46 Field weight

### 2.1.2.1.3.46.1 weight Tree Diagram

| {123} weight | |
|---|---|
| type | numeric |

### 2.1.2.1.3.46.2 weight properties

| PROPERTY | VALUE |
|---|---|
| Name | weight |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.1.4 customer Indexes

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

### 2.1.2.1.5 customer JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "email": {
            "type": "string",
            "sample": "testuser@vuli.tv"
        },
        "password": {
            "type": "string",
            "sample": "$2a$10$MBGJbyYwaM0G9VYWWkopOOahV1kFqpjJwnVAyYnOXui2glfQdWU9q"
        },
        "active": {
            "type": "boolean",
            "sample": false
        },
        "admin": {
            "type": "boolean",
            "sample": false
        },
        "liked": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "movies": {
                    "type": "array",
                    "additionalItems": true,
                    "uniqueItems": false,
                    "items": {
                        "type": "string",
                        "arrayItem": true,
                        "pattern": "^[a-fA-F0-9]{24}$"
                    }
                },
```

```
      "scenes": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "stars": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "volumes": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      }
    }
  },
  "disliked": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "movies": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "scenes": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "stars": {
        "type": "array",
        "additionalItems": true,
```

```
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true,
            "pattern": "^[a-fA-F0-9]{24}$"
          }
        },
        "volumes": {
          "type": "array",
          "additionalItems": true,
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true,
            "pattern": "^[a-fA-F0-9]{24}$"
          }
        }
      }
    },
    "credit": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "infostored": {
          "type": "boolean",
          "sample": false
        },
        "key": {
          "type": "string"
        }
      }
    },
    "purchased": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "movies": {
          "type": "array",
          "additionalItems": true,
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true,
            "pattern": "^[a-fA-F0-9]{24}$"
          }
        },
        "scenes": {
          "type": "array",
          "additionalItems": true,
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true,
            "pattern": "^[a-fA-F0-9]{24}$"
          }
        },
        "volumes": {
          "type": "array",
          "additionalItems": true,
```

```
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true,
            "pattern": "^[a-fA-F0-9]{24}$"
          }
        }
      }
    }
  },
  "wishlist": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "movies": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "scenes": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "volumes": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      }
    }
  },
  "_created": {
    "type": "string",
    "format": "date-time",
    "sample": "2018-11-24T08:10:12.795Z"
  },
  "_modified": {
    "type": "string",
    "format": "date-time",
    "sample": "2018-11-24T08:10:12.795Z"
  },
  "preferences": {
    "type": "array",
    "additionalItems": true,
    "uniqueItems": false,
```

```
        "items": {
          "type": "object",
          "additionalProperties": false,
          "arrayItem": true,
          "properties": {
            "tag": {
              "type": "string"
            },
            "weight": {
              "type": "number"
            }
          },
          "required": [
            "weight"
          ]
        }
      }
    },
    "required": [
      "_id",
      "email",
      "password",
      "active",
      "admin",
      "liked",
      "disliked",
      "credit",
      "purchased",
      "wishlist",
      "_created",
      "_modified",
      "preferences"
    ]
}
```

## 2.1.2.1.6 customer JSON data

```
{
    "_id": ObjectId("507f1f77bcf86cd799439011"),
    "email": "testuser@vuli.tv",
    "password": "$2a$10$MBGJbyYwaM0G9VYWWkopOOahV1kFqpjJwnVAyYnOXui2glfQdWU9q",
    "active": true,
    "admin": true,
    "liked": {
      "movies": [
        ObjectId("507f1f77bcf86cd799439011")
      ],
      "scenes": [
        ObjectId("507f1f77bcf86cd799439011")
      ],
      "stars": [
        ObjectId("507f1f77bcf86cd799439011")
      ],
      "volumes": [
```

```
                ObjectId("507f1f77bcf86cd799439011")
            ]
        },
        "disliked": {
            "movies": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "scenes": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "stars": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "volumes": [
                ObjectId("507f1f77bcf86cd799439011")
            ]
        },
        "credit": {
            "infostored": false,
            "key": "Lorem"
        },
        "purchased": {
            "movies": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "scenes": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "volumes": [
                ObjectId("507f1f77bcf86cd799439011")
            ]
        },
        "wishlist": {
            "movies": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "scenes": [
                ObjectId("507f1f77bcf86cd799439011")
            ],
            "volumes": [
                ObjectId("507f1f77bcf86cd799439011")
            ]
        },
        "_created": "2018-11-24T08:10:12.795Z",
        "_modified": "2018-11-24T08:10:12.795Z",
        "preferences": [
            {
                "tag": "Lorem",
                "weight": 61
            }
        ]
    }
}
```
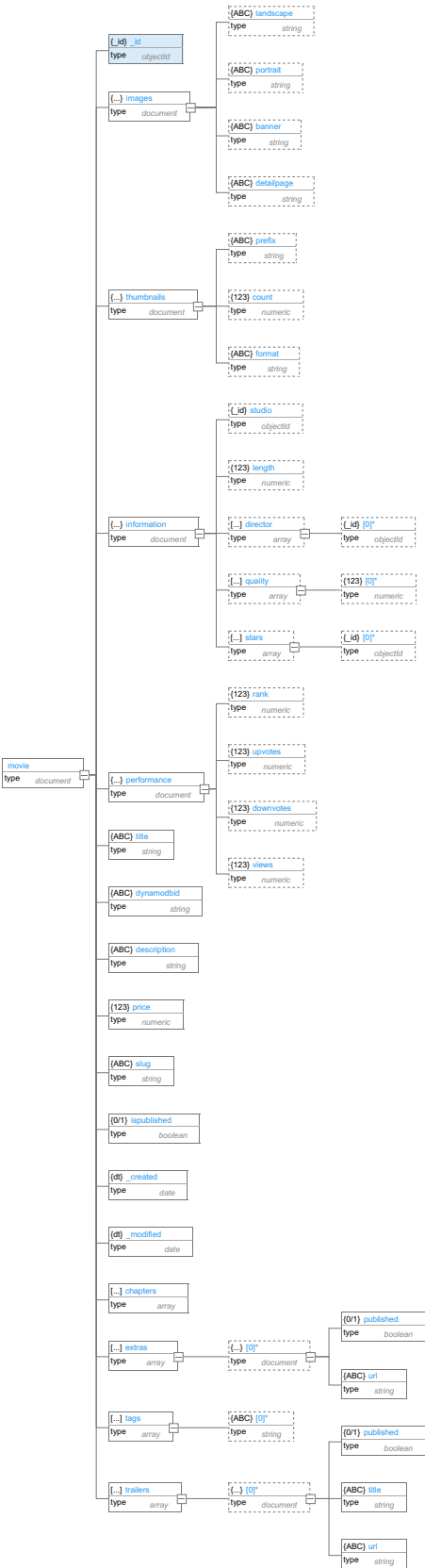
## 2.1.2.2 Collection movie

### 2.1.2.2.1 movie Tree Diagram

{_id} _id
type        objectId

{ABC} landscape
type        string

{ABC} portrait
type        string

{ABC} banner
type        string

{ABC} detailpage
type        string

{...} images
type        document

{ABC} prefix
type        string

{123} count
type        numeric

{ABC} format
type        string

{...} thumbnails
type        document

{_id} studio
type        objectId

{123} length
type        numeric

{...} information
type        document

{...} director
type        array

{_id} [0]*
type        objectId

{...} quality
type        array

{123} [0]*
type        numeric

{...} stars
type        array

{_id} [0]*
type        objectId

{123} rank
type        numeric

{123} upvotes
type        numeric

{123} downvotes
type        numeric

{123} views
type        numeric

{...} performance
type        document

movie
type        document

{ABC} title
type        string

{ABC} dynamodbid
type        string

{ABC} description
type        string

{123} price
type        numeric

{ABC} slug
type        string

{0/1} ispublished
type        boolean

{dt} _created
type        date

{dt} _modified
type        date

{...} chapters
type        array

{...} extras
type        array

{...} [0]*
type        document

{0/1} published
type        boolean

{ABC} url
type        string

{...} tags
type        array

{ABC} [0]*
type        string

{...} trailers
type        array

{...} [0]*
type        document

{0/1} published
type        boolean

{ABC} title
type        string

{ABC} url
type        string

## 2.1.2.2.2 movie Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | movie |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

2.1.2.2.3 movie Fields

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

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| _id | objectId | true | | | |
| images | document | true | | | |
|   landscape | string | false | | | |
|   portrait | string | false | | | |
|   banner | string | false | | | |
|   detailpage | string | false | | | |
| thumbnails | document | true | | | |
|   prefix | string | false | | | |
|   count | numeric | false | | | |
|   format | string | false | | | |
| information | document | true | | | |
|   studio | objectId | false | | | |
|   length | numeric | false | | | |
|   director | array | false | | | |
|     [0] | objectId | false | | | |
|   quality | array | false | | | |
|     [0] | numeric | false | | | |
|   stars | array | false | | | |
|     [0] | objectId | false | | | |
| performance | document | true | | | |
|   rank | numeric | false | | | |
|   upvotes | numeric | false | | | |
|   downvotes | numeric | false | | | |
|   views | numeric | false | | | |
| title | string | true | | | |
| dynamodbid | string | true | | | |
| description | string | true | | | |
| price | numeric | true | | | |
| slug | string | true | | | |
| ispublished | boolean | true | | | |
| _created | date | true | | | |
| _modified | date | true | | | |
| chapters | array | true | | | |
| extras | array | true | | | |
|   [0] | document | false | | | |
|     published | boolean | true | | | |
|     url | string | true | | | |
| tags | array | true | | | |
|   [0] | string | false | | | |
| trailers | array | true | | | |
|   [0] | document | false | | | |
|     published | boolean | true | | | |
|     title | string | true | | | |
|     url | string | true | | | |

## 2.1.2.2.3.1 Field _id

### 2.1.2.2.3.1.1 _id Tree Diagram

| {_id} _id |
|-----------|
| type      *objectId* |

### 2.1.2.2.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.2.3.2 Field images

### 2.1.2.2.3.2.1 images Tree Diagram
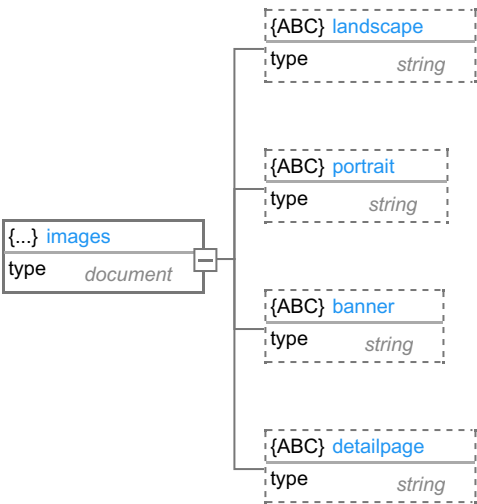


### 2.1.2.2.3.2.2 images Hierarchy

Parent field: movie
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| landscape | string | false | | | |
| portrait | string | false | | | |
| banner | string | false | | | |
| detailpage | string | false | | | |

### 2.1.2.2.3.2.3 images properties

| PROPERTY | VALUE |
|---|---|
| Name | images |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.2.3.3 Field landscape

### 2.1.2.2.3.3.1 landscape Tree Diagram

| {ABC} landscape | |
|---|---|
| type | *string* |

### 2.1.2.2.3.3.2 landscape properties

| PROPERTY | VALUE |
|---|---|
| Name | landscape |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.4 Field portrait

### 2.1.2.2.3.4.1 portrait Tree Diagram

| {ABC} portrait | |
|---|---|
| type | *string* |

### 2.1.2.2.3.4.2 portrait properties

| PROPERTY | VALUE |
|---|---|
| Name | portrait |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.5 Field banner

### 2.1.2.2.3.5.1 banner Tree Diagram

| {ABC} banner | |
|---|---|
| type | *string* |

### 2.1.2.2.3.5.2 banner properties

| PROPERTY | VALUE |
|---|---|
| Name | banner |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.6 Field detailpage

### 2.1.2.2.3.6.1 detailpage Tree Diagram

| {ABC} detailpage | |
|---|---|
| type | *string* |

### 2.1.2.2.3.6.2 detailpage properties

| PROPERTY | VALUE |
|---|---|
| Name | detailpage |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.7 Field thumbnails

### 2.1.2.2.3.7.1 thumbnails Tree Diagram
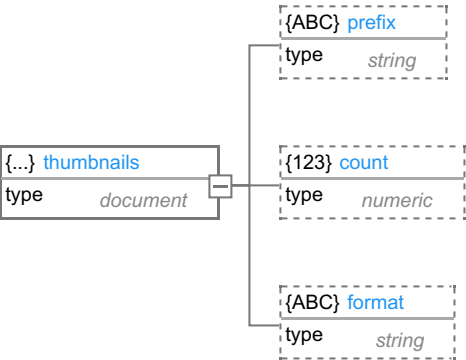


### 2.1.2.2.3.7.2 thumbnails Hierarchy

Parent field: movie
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| prefix | string | false | | | |
| count | numeric | false | | | |
| format | string | false | | | |

### 2.1.2.2.3.7.3 thumbnails properties

| PROPERTY | VALUE |
|---|---|
| Name | thumbnails |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.2.3.8 Field prefix

### 2.1.2.2.3.8.1 prefix Tree Diagram

```
{ABC} prefix
type      string
```

### 2.1.2.2.3.8.2 prefix properties

| PROPERTY | VALUE |
|---|---|
| Name | prefix |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.9 Field count

### 2.1.2.2.3.9.1 count Tree Diagram

```
{123} count
type        numeric
```

### 2.1.2.2.3.9.2 count properties

| PROPERTY | VALUE |
|---|---|
| Name | count |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.10 Field format

### 2.1.2.2.3.10.1 format Tree Diagram

```
{ABC} format
type        string
```

### 2.1.2.2.3.10.2 format properties

| PROPERTY | VALUE |
|---|---|
| Name | format |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.11 Field information

## 2.1.2.2.3.11.1 information Tree Diagram
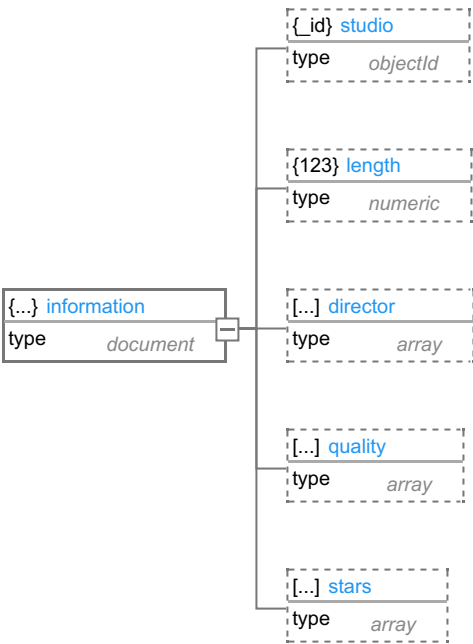


## 2.1.2.2.3.11.2 information Hierarchy

Parent field: movie
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| studio | objectId | false | fk | | |
| length | numeric | false | | | |
| director | array | false | | | |
| quality | array | false | | | |
| stars | array | false | | | |

## 2.1.2.2.3.11.3 information properties

| PROPERTY | VALUE |
|----------|-------|
| Name | information |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.2.3.12 Field studio

### 2.1.2.2.3.12.1 studio Tree Diagram

| {_id} studio | |
|---|---|
| type | *objectId* |

### 2.1.2.2.3.12.2 studio properties

| PROPERTY | VALUE |
|---|---|
| Name | studio |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | studio |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.2.3.13 Field length

### 2.1.2.2.3.13.1 length Tree Diagram

| {123} length | |
|---|---|
| type | *numeric* |

### 2.1.2.2.3.13.2 length properties

| PROPERTY | VALUE |
|---|---|
| Name | length |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.14 Field director

### 2.1.2.2.3.14.1 director Tree Diagram
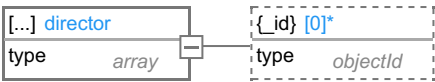


### 2.1.2.2.3.14.2 director Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.2.3.14.3 director properties

| PROPERTY | VALUE |
|---|---|
| Name | director |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.2.3.15 Field New Field

### 2.1.2.2.3.15.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.2.3.15.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.2.3.16 Field quality

## 2.1.2.2.3.16.1 quality Tree Diagram

| [...] quality | | {123} [0]* |
|---|---|---|
| type | array | type numeric |
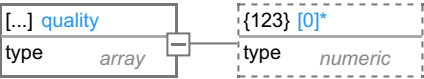
## 2.1.2.2.3.16.2 quality Hierarchy

Parent field: information
Child field(s):

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

## 2.1.2.2.3.16.3 quality properties

| PROPERTY | VALUE |
|-------------------|---------|
| Name | quality |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.2.3.17 Field New Field

## 2.1.2.2.3.17.1 New Field Tree Diagram

| {123} New Field | |
|---|---|
| type | numeric |

### 2.1.2.2.3.17.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 420 |
| Comments | |

### 2.1.2.2.3.18 Field stars

### 2.1.2.2.3.18.1 stars Tree Diagram
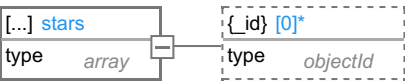


### 2.1.2.2.3.18.2 stars Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.2.3.18.3 stars properties

| PROPERTY | VALUE |
| --- | --- |
| Name | stars |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.2.3.19 Field New Field

### 2.1.2.2.3.19.1 New Field Tree Diagram

| {_id} New Field | |
| --- | --- |
| type | *objectId* |

### 2.1.2.2.3.19.2 New Field properties

| PROPERTY | VALUE |
| --- | --- |
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.2.3.20 Field performance

## 2.1.2.2.3.20.1 performance Tree Diagram
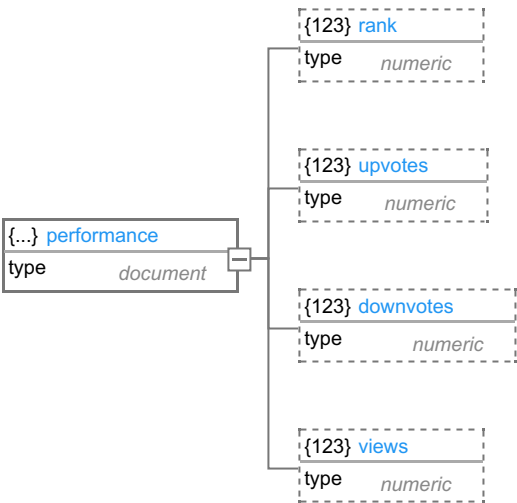


## 2.1.2.2.3.20.2 performance Hierarchy

Parent field: movie
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| rank | numeric | false | | | |
| upvotes | numeric | false | | | |
| downvotes | numeric | false | | | |
| views | numeric | false | | | |

## 2.1.2.2.3.20.3 performance properties

| PROPERTY | VALUE |
|---|---|
| Name | performance |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.2.3.21 Field rank

## 2.1.2.2.3.21.1 rank Tree Diagram
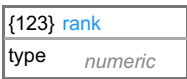
### 2.1.2.2.3.21.2 rank properties

| PROPERTY | VALUE |
|---|---|
| Name | rank |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.22 Field upvotes

### 2.1.2.2.3.22.1 upvotes Tree Diagram

| {123} upvotes | |
|---|---|
| type | *numeric* |

### 2.1.2.2.3.22.2 upvotes properties

| PROPERTY | VALUE |
|---|---|
| Name | upvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.23 Field downvotes

### 2.1.2.2.3.23.1 downvotes Tree Diagram

| {123} downvotes | |
|---|---|
| type | *numeric* |

### 2.1.2.2.3.23.2 downvotes properties

| PROPERTY | VALUE |
|---|---|
| Name | downvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.24 Field views

### 2.1.2.2.3.24.1 views Tree Diagram

| {123} views | |
|---|---|
| type | *numeric* |

### 2.1.2.2.3.24.2 views properties

| PROPERTY | VALUE |
|---|---|
| Name | views |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.2.3.25 Field title

### 2.1.2.2.3.25.1 title Tree Diagram

{ABC} title
type      *string*

### 2.1.2.2.3.25.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Testing Movie Data |
| Comments | |

### 2.1.2.2.3.26 Field dynamodbid

### 2.1.2.2.3.26.1 dynamodbid Tree Diagram

| {ABC} dynamodbid | |
|---|---|
| type | *string* |

### 2.1.2.2.3.26.2 dynamodbid properties

| PROPERTY | VALUE |
|---|---|
| Name | dynamodbid |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.27 Field description

### 2.1.2.2.3.27.1 description Tree Diagram

| {ABC} description | |
|---|---|
| type | *string* |

### 2.1.2.2.3.27.2 description properties

| PROPERTY | VALUE |
|---|---|
| Name | description |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | This is the testing movie data. Don't mind if you are able to see it. As the app is under development, these type of data will be visible most of the time. |
| Comments | |

### 2.1.2.2.3.28 Field price

### 2.1.2.2.3.28.1 price Tree Diagram

| {123} price | |
|---|---|
| type | *numeric* |

### 2.1.2.2.3.28.2 price properties

| PROPERTY | VALUE |
|---|---|
| Name | price |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | double |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 4.329999923706055 |
| Comments | |

### 2.1.2.2.3.29 Field slug

### 2.1.2.2.3.29.1 slug Tree Diagram

| {ABC} slug | |
|---|---|
| type | *string* |

### 2.1.2.2.3.29.2 slug properties

| PROPERTY | VALUE |
|---|---|
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | testing_movie |
| Comments | |

### 2.1.2.2.3.30 Field ispublished

### 2.1.2.2.3.30.1 ispublished Tree Diagram

```
{0/1}  ispublished
type              boolean
```

### 2.1.2.2.3.30.2 ispublished properties

| PROPERTY | VALUE |
|---|---|
| Name | ispublished |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | true |
| Comments | |

### 2.1.2.2.3.31 Field _created

### 2.1.2.2.3.31.1 _created Tree Diagram

```
{dt}  _created
type              date
```

### 2.1.2.2.3.31.2 _created properties

| PROPERTY | VALUE |
|---|---|
| Name | _created |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-14T06:31:40.764Z |
| Comments | |

### 2.1.2.2.3.32 Field _modified

### 2.1.2.2.3.32.1 _modified Tree Diagram

```
{dt} _modified
type           date
```

### 2.1.2.2.3.32.2 _modified properties

| PROPERTY | VALUE |
|---|---|
| Name | _modified |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-14T06:31:40.764Z |
| Comments | |

## 2.1.2.2.3.33 Field chapters

### 2.1.2.2.3.33.1 chapters Tree Diagram

```
[...] chapters
type           array
```

### 2.1.2.2.3.33.2 chapters properties

| PROPERTY | VALUE |
|---|---|
| Name | chapters |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.2.3.34 Field extras

## 2.1.2.2.3.34.1 extras Tree Diagram

| [...] extras | | {...} [0]* | |
|---|---|---|---|
| type | *array* | type | *document* |
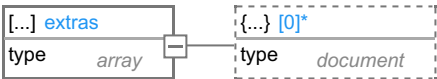
## 2.1.2.2.3.34.2 extras Hierarchy

Parent field: movie
Child field(s):

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

## 2.1.2.2.3.34.3 extras properties

| PROPERTY | VALUE |
|---|---|
| Name | extras |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.2.3.35 Field New Field

## 2.1.2.2.3.35.1 New Field Tree Diagram

| {0/1} published | |
|---|---|
| type | *boolean* |

| {...} New Field | |
|---|---|
| type | *document* |

| {ABC} url | |
|---|---|
| type | *string* |
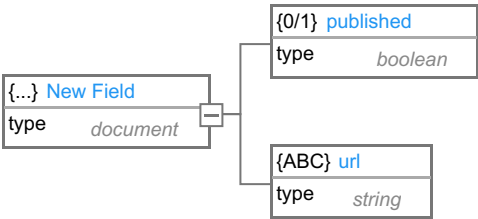
## 2.1.2.2.3.35.2 New Field Hierarchy

Parent field: extras
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| published | boolean | true | | | |
| url | string | true | | | |

### 2.1.2.2.3.35.3 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.2.3.36 Field published

### 2.1.2.2.3.36.1 published Tree Diagram

| {0/1} published | |
|---|---|
| type | *boolean* |

### 2.1.2.2.3.36.2 published properties

| PROPERTY | VALUE |
|---|---|
| Name | published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.2.3.37 Field url

### 2.1.2.2.3.37.1 url Tree Diagram

| {ABC} url | |
|---|---|
| type | *string* |

### 2.1.2.2.3.37.2 url properties

| PROPERTY | VALUE |
|---|---|
| Name | url |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | https://www.youtube.com/watch?v=f4Mc-NYPHaQ |
| Comments | |

### 2.1.2.2.3.38 Field tags

### 2.1.2.2.3.38.1 tags Tree Diagram



### 2.1.2.2.3.38.2 tags Hierarchy

Parent field: movie
Child field(s):

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

### 2.1.2.2.3.38.3 tags properties

| PROPERTY | VALUE |
|---|---|
| Name | tags |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.2.3.39 Field New Field

### 2.1.2.2.3.39.1 New Field Tree Diagram

| {ABC} New Field | |
|---|---|
| type | *string* |

### 2.1.2.2.3.39.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.2.3.40 Field trailers

### 2.1.2.2.3.40.1 trailers Tree Diagram

| [...] trailers | | {...} [0]* |
|---|---|---|
| type          array | | type          document |
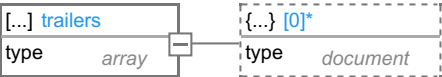
### 2.1.2.2.3.40.2 trailers Hierarchy

Parent field: movie
Child field(s):

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

### 2.1.2.2.3.40.3 trailers properties

| PROPERTY | VALUE |
|----------|-------|
| Name | trailers |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.2.3.41 Field New Field

### 2.1.2.2.3.41.1 New Field Tree Diagram

| {0/1} published | |
|---|---|
| type          boolean | |

| {...} New Field | | {ABC} title |
|---|---|---|
| type          document | | type          string |

| {ABC} url | |
|---|---|
| type          string | |
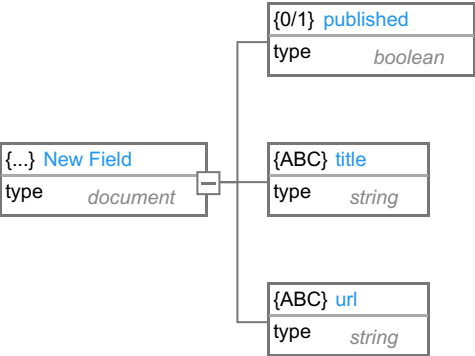
### 2.1.2.2.3.41.2 New Field Hierarchy

Parent field: trailers
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| published | boolean | true | | | |
| title | string | true | | | |
| url | string | true | | | |

### 2.1.2.2.3.41.3 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.2.3.42 Field published

### 2.1.2.2.3.42.1 published Tree Diagram

| {0/1} published |
|---|
| type           *boolean* |

### 2.1.2.2.3.42.2 published properties

| PROPERTY | VALUE |
|---|---|
| Name | published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.2.3.43 Field title

### 2.1.2.2.3.43.1 title Tree Diagram

| {ABC} title |
|---|
| type           *string* |

### 2.1.2.2.3.43.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | my-time-alone |
| Comments | |

### 2.1.2.2.3.44 Field url

### 2.1.2.2.3.44.1 url Tree Diagram

{ABC} url
type      string

### 2.1.2.2.3.44.2 url properties

| PROPERTY | VALUE |
|---|---|
| Name | url |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample |  https://s3.amazonaws.com/vuli-public-assets/media/5be976e48cae3a02615e5501/trailers/my-time-alone |
| Comments | |

### 2.1.2.2.4 movie Indexes

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

### 2.1.2.2.5 movie JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "images": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "landscape": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "portrait": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "banner": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "detailpage": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$"
                }
            }
        },
        "thumbnails": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
```

```
      "prefix": {
        "type": "string"
      },
      "count": {
        "type": "number",
        "sample": 0
      },
      "format": {
        "type": "string"
      }
    }
  },
  "information": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "studio": {
        "type": "string",
        "pattern": "^[a-fA-F0-9]{24}$"
      },
      "length": {
        "type": "number",
        "sample": 0
      },
      "director": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "quality": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "integer",
          "arrayItem": true,
          "mode": "integer32",
          "sample": 420
        }
      },
      "stars": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      }
    }
  },
  "performance": {
    "type": "object",
```

```
      "additionalProperties": false,
      "properties": {
        "rank": {
           "type": "number",
           "sample": 0
        },
        "upvotes": {
           "type": "number",
           "sample": 0
        },
        "downvotes": {
           "type": "number",
           "sample": 0
        },
        "views": {
           "type": "number",
           "sample": 0
        }
      }
    },
    "title": {
      "type": "string",
      "sample": "Testing Movie Data"
    },
    "dynamodbid": {
      "type": "string"
    },
    "description": {
      "type": "string",
      "sample": "This is the testing movie data. Don't mind if you are able to see it. As the app is under
development, these type of data will be visible most of the time."
    },
    "price": {
      "type": "number",
      "mode": "double",
      "sample": 4.329999923706055
    },
    "slug": {
      "type": "string",
      "sample": "testing_movie"
    },
    "ispublished": {
      "type": "boolean",
      "sample": false
    },
    "_created": {
      "type": "string",
      "format": "date-time",
      "sample": "2018-11-14T06:31:40.764Z"
    },
    "_modified": {
      "type": "string",
      "format": "date-time",
      "sample": "2018-11-14T06:31:40.764Z"
    },
    "chapters": {
      "type": "array",
      "additionalItems": true,
      "uniqueItems": false
```

```
      },
      "extras": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "object",
          "additionalProperties": false,
          "arrayItem": true,
          "properties": {
            "published": {
              "type": "boolean",
              "sample": false
            },
            "url": {
              "type": "string",
              "pattern": "^(http:\\/\\/www\\.|https:\\/\\/www\\.|http:\\/\\/|https:\\/\\/)?[a-z0-9]+([\\-\\.]{1}[a-z0-9]+)*\\.[a-z]{2,5}(:[0-9]{1,5})?(\\/.*)?$",
              "sample": "https://www.youtube.com/watch?v=f4Mc-NYPHaQ"
            }
          },
          "required": [
            "published",
            "url"
          ]
        }
      },
      "tags": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true
        }
      },
      "trailers": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "object",
          "additionalProperties": false,
          "arrayItem": true,
          "properties": {
            "published": {
              "type": "boolean",
              "sample": false
            },
            "title": {
              "type": "string",
              "sample": "my-time-alone"
            },
            "url": {
              "type": "string",
              "pattern": "^(http:\\/\\/www\\.|https:\\/\\/www\\.|http:\\/\\/|https:\\/\\/)?[a-z0-9]+([\\-\\.]{1}[a-z0-9]+)*\\.[a-z]{2,5}(:[0-9]{1,5})?(\\/.*)?$",
              "sample": "https://s3.amazonaws.com/vuli-public-assets/media/5be976e48cae3a02615e5501/trailers/my-time-alone"
```

```
            }
          },
          "required": [
            "published",
            "title",
            "url"
          ]
        }
      }
    },
    "required": [
      "_id",
      "images",
      "thumbnails",
      "information",
      "performance",
      "title",
      "dynamodbid",
      "description",
      "price",
      "slug",
      "ispublished",
      "_created",
      "_modified",
      "chapters",
      "extras",
      "tags",
      "trailers"
    ]
}
```

### 2.1.2.2.6 movie JSON data

```
{
  "_id": ObjectId("507f1f77bcf86cd799439011"),
  "images": {
    "landscape": "Lorem",
    "portrait": "Lorem",
    "banner": "Lorem",
    "detailpage": "Lorem"
  },
  "thumbnails": {
    "prefix": "Lorem",
    "count": 0,
    "format": "Lorem"
  },
  "information": {
    "studio": ObjectId("507f1f77bcf86cd799439011"),
    "length": 0,
    "director": [
      ObjectId("507f1f77bcf86cd799439011")
    ],
    "quality": [
      420
```

```
    ],
    "stars": [
        ObjectId("507f1f77bcf86cd799439011")
    ]
  },
  "performance": {
    "rank": 0,
    "upvotes": 0,
    "downvotes": 0,
    "views": 0
  },
  "title": "Testing Movie Data",
  "dynamodbid": "Lorem",
  "description": "This is the testing movie data. Don't mind if you are able to see it. As the app is under
development, these type of data will be visible most of the time.",
  "price": 4.329999923706055,
  "slug": "testing_movie",
  "ispublished": true,
  "_created": "2018-11-14T06:31:40.764Z",
  "_modified": "2018-11-14T06:31:40.764Z",
  "chapters": [],
  "extras": [
    {
        "published": false,
        "url": "https://www.youtube.com/watch?v=f4Mc-NYPHaQ"
    }
  ],
  "tags": [
    "Lorem"
  ],
  "trailers": [
    {
        "published": false,
        "title": "my-time-alone",
        "url": "https://s3.amazonaws.com/vuli-public-assets/media/5be976e48cae3a02615e5501/trailers/my-time-
alone"
    }
  ]
}
```

## 2.1.2.3 Collection scene

### 2.1.2.3.1 scene Tree Diagram
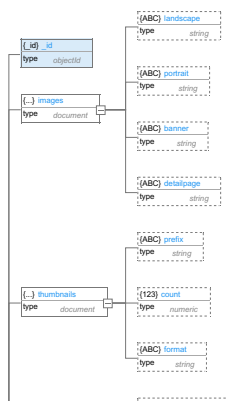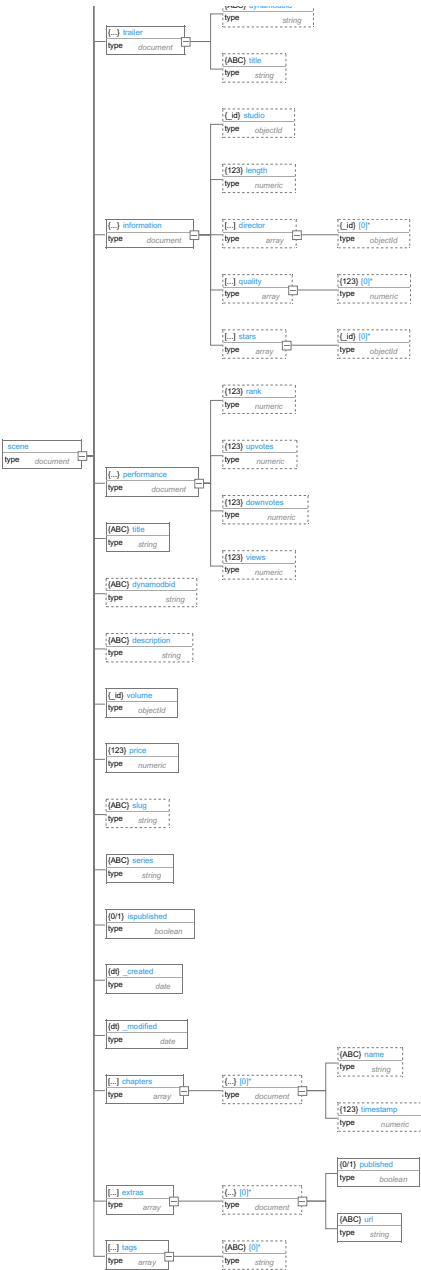
### 2.1.2.3.2 scene Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | scene |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

### 2.1.2.3.3 scene Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| _id | objectId | true | | | |
| images | document | true | | | |
|   landscape | string | false | | | |
|   portrait | string | false | | | |
|   banner | string | false | | | |
|   detailpage | string | false | | | |
| thumbnails | document | true | | | |
|   prefix | string | false | | | |
|   count | numeric | false | | | |
|   format | string | false | | | |
| trailer | document | true | | | |
|   dynamodbid | string | false | | | |
|   title | string | false | | | |
| information | document | true | | | |
|   studio | objectId | false | | | |
|   length | numeric | false | | | |
|   director | array | false | | | |
|     [0] | objectId | false | | | |
|   quality | array | false | | | |
|     [0] | numeric | false | | | |
|   stars | array | false | | | |
|     [0] | objectId | false | | | |
| performance | document | true | | | |
|   rank | numeric | false | | | |
|   upvotes | numeric | false | | | |
|   downvotes | numeric | false | | | |
|   views | numeric | false | | | |
| title | string | true | | | |
| dynamodbid | string | false | | | |
| description | string | false | | | |
| volume | objectId | true | | | |
| price | numeric | true | | | |
| slug | string | false | | | |
| series | string | true | | | |
| ispublished | boolean | true | | | |
| _created | date | true | | | |
| _modified | date | true | | | |
| chapters | array | true | | | |
|   [0] | document | false | | | |
|     name | string | false | | | |
|     timestamp | numeric | false | | | |
| extras | array | true | | | |
|   [0] | document | false | | | |
|     published | boolean | true | | | |
|     url | string | true | | | |
| tags | array | true | | | |
|   [0] | string | false | | | |

### 2.1.2.3.3.1 Field _id

### 2.1.2.3.3.1.1 _id Tree Diagram

```
{_id} _id
type      objectId
```
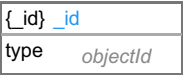
### 2.1.2.3.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.3.3.2 Field images

### 2.1.2.3.3.2.1 images Tree Diagram

```
                                    {ABC} landscape
                                    type        string

                                    {ABC} portrait
                                    type        string
{...} images
type    document ──┤
                                    {ABC} banner
                                    type        string

                                    {ABC} detailpage
                                    type        string
```
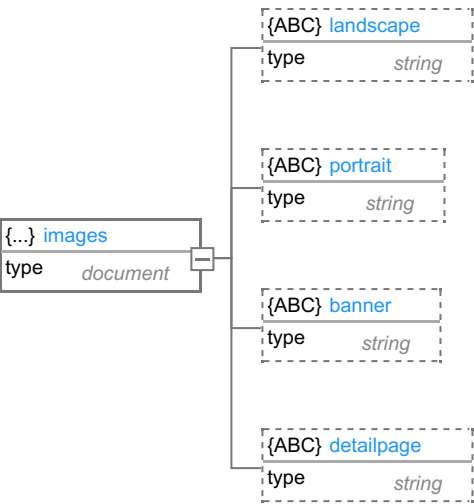
### 2.1.2.3.3.2.2 images Hierarchy

Parent field: scene
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| landscape | string | false | | | |
| portrait | string | false | | | |
| banner | string | false | | | |
| detailpage | string | false | | | |

### 2.1.2.3.3.2.3 images properties

| PROPERTY | VALUE |
|---|---|
| Name | images |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.3.3.3 Field landscape

### 2.1.2.3.3.3.1 landscape Tree Diagram

| {ABC} landscape | |
|---|---|
| type | *string* |

### 2.1.2.3.3.3.2 landscape properties

| PROPERTY | VALUE |
|---|---|
| Name | landscape |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.4 Field portrait

### 2.1.2.3.3.4.1 portrait Tree Diagram

```
{ABC} portrait
type        string
```

### 2.1.2.3.3.4.2 portrait properties

| PROPERTY | VALUE |
|---|---|
| Name | portrait |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.\|https:\/\/www\.\|http:\/\/\|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.5 Field banner

### 2.1.2.3.3.5.1 banner Tree Diagram

```
{ABC} banner
type        string
```

### 2.1.2.3.3.5.2 banner properties

| PROPERTY | VALUE |
|---|---|
| Name | banner |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.6 Field detailpage

### 2.1.2.3.3.6.1 detailpage Tree Diagram

| {ABC} detailpage | |
|---|---|
| type | *string* |

### 2.1.2.3.3.6.2 detailpage properties

| PROPERTY | VALUE |
|---|---|
| Name | detailpage |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.7 Field thumbnails

### 2.1.2.3.3.7.1 thumbnails Tree Diagram
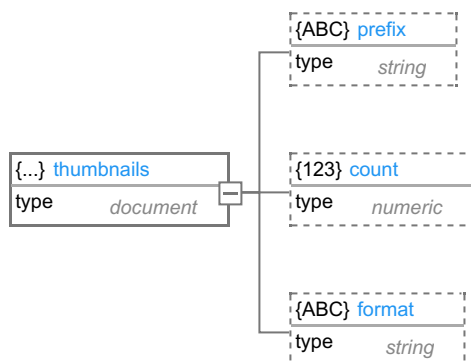


### 2.1.2.3.3.7.2 thumbnails Hierarchy

Parent field: scene
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| prefix | string | false | | | |
| count | numeric | false | | | |
| format | string | false | | | |

### 2.1.2.3.3.7.3 thumbnails properties

| PROPERTY | VALUE |
|---|---|
| Name | thumbnails |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.3.3.8 Field prefix

### 2.1.2.3.3.8.1 prefix Tree Diagram

{ABC} prefix
type          *string*

### 2.1.2.3.3.8.2 prefix properties

| PROPERTY | VALUE |
|---|---|
| Name | prefix |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | deleteme |
| Comments | |

### 2.1.2.3.3.9 Field count

### 2.1.2.3.3.9.1 count Tree Diagram

| {123} count | |
|---|---|
| type | *numeric* |

### 2.1.2.3.3.9.2 count properties

| PROPERTY | VALUE |
|---|---|
| Name | count |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 100 |
| Comments | |

### 2.1.2.3.3.10 Field format

### 2.1.2.3.3.10.1 format Tree Diagram

| {ABC} format | |
|---|---|
| type | *string* |

### 2.1.2.3.3.10.2 format properties

| PROPERTY | VALUE |
|---|---|
| Name | format |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | jpg |
| Comments | |

### 2.1.2.3.3.11 Field trailer

### 2.1.2.3.3.11.1 trailer Tree Diagram
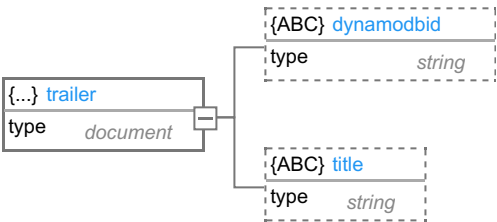


### 2.1.2.3.3.11.2 trailer Hierarchy

Parent field: scene
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| dynamodbid | string | false | | | |
| title | string | false | | | |

### 2.1.2.3.3.11.3 trailer properties

| PROPERTY | VALUE |
|---|---|
| Name | trailer |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.3.3.12 Field dynamodbid

### 2.1.2.3.3.12.1 dynamodbid Tree Diagram

| {ABC} dynamodbid | |
|---|---|
| type | *string* |

### 2.1.2.3.3.12.2 dynamodbid properties

| PROPERTY | VALUE |
|---|---|
| Name | dynamodbid |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | [0-9a-fA-F]{8}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{12} |
| Format | |
| Enum | |
| Sample | |
| Comments | |

## 2.1.2.3.3.13 Field title

### 2.1.2.3.3.13.1 title Tree Diagram

```
{ABC} title
type      string
```

### 2.1.2.3.3.13.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.14 Field information

### 2.1.2.3.3.14.1 information Tree Diagram
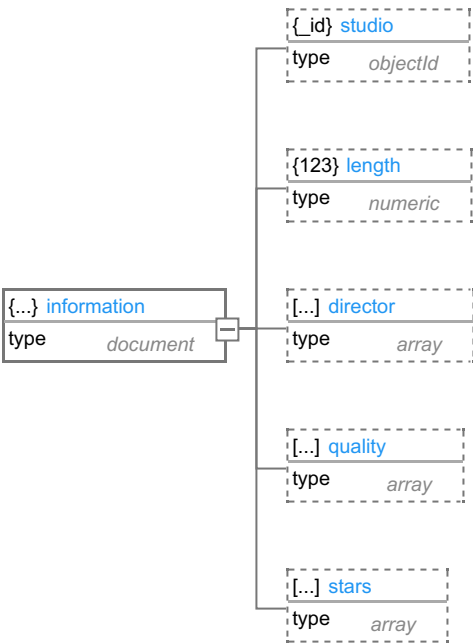


### 2.1.2.3.3.14.2 information Hierarchy

Parent field: scene
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| studio | objectId | false | fk | | |
| length | numeric | false | | | |
| director | array | false | | | |
| quality | array | false | | | |
| stars | array | false | | | |

### 2.1.2.3.3.14.3 information properties

| PROPERTY | VALUE |
|----------|-------|
| Name | information |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.3.3.15 Field studio

### 2.1.2.3.3.15.1 studio Tree Diagram

| {_id} studio | |
|---|---|
| type | *objectId* |

### 2.1.2.3.3.15.2 studio properties

| PROPERTY | VALUE |
|---|---|
| Name | studio |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | studio |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.3.3.16 Field length

### 2.1.2.3.3.16.1 length Tree Diagram

| {123} length | |
|---|---|
| type | *numeric* |

### 2.1.2.3.3.16.2 length properties

| PROPERTY | VALUE |
|---|---|
| Name | length |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 0 |
| Subtype | integer32 |
| Unit | cm |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 8912 |
| Comments | |

### 2.1.2.3.3.17 Field director

### 2.1.2.3.3.17.1 director Tree Diagram
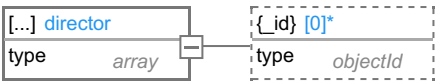


### 2.1.2.3.3.17.2 director Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.3.3.17.3 director properties

| PROPERTY | VALUE |
|---|---|
| Name | director |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.3.3.18 Field New Field

### 2.1.2.3.3.18.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.3.3.18.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.3.3.19 Field quality

## 2.1.2.3.3.19.1 quality Tree Diagram

| [...] quality | | {123} [0]* |
|---|---|---|
| type *array* | | type *numeric* |
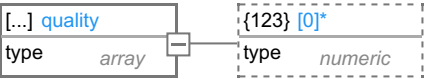
## 2.1.2.3.3.19.2 quality Hierarchy

Parent field: information
Child field(s):

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

## 2.1.2.3.3.19.3 quality properties

| PROPERTY | VALUE |
|---|---|
| Name | quality |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.3.3.20 Field New Field

## 2.1.2.3.3.20.1 New Field Tree Diagram

| {123} New Field |
|---|
| type *numeric* |

### 2.1.2.3.3.20.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 1080 |
| Comments | |

### 2.1.2.3.3.21 Field stars

### 2.1.2.3.3.21.1 stars Tree Diagram
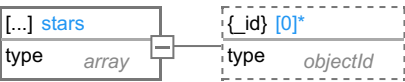


### 2.1.2.3.3.21.2 stars Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.3.3.21.3 stars properties

| PROPERTY | VALUE |
|---|---|
| Name | stars |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.3.3.22 Field New Field

### 2.1.2.3.3.22.1 New Field Tree Diagram

| {_id} New Field | |
|---|---|
| type | *objectId* |

### 2.1.2.3.3.22.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.3.3.23 Field performance

### 2.1.2.3.3.23.1 performance Tree Diagram

```
                              {123} rank
                              type        numeric

                              {123} upvotes
                              type        numeric
{...} performance
type       document
                              {123} downvotes
                              type        numeric

                              {123} views
                              type        numeric
```
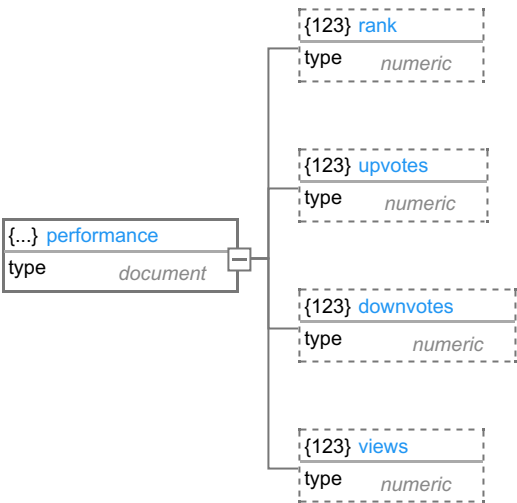
### 2.1.2.3.3.23.2 performance Hierarchy

Parent field: scene
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| rank | numeric | false | | | |
| upvotes | numeric | false | | | |
| downvotes | numeric | false | | | |
| views | numeric | false | | | |

### 2.1.2.3.3.23.3 performance properties

| PROPERTY | VALUE |
|----------|-------|
| Name | performance |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.3.3.24 Field rank

### 2.1.2.3.3.24.1 rank Tree Diagram

```
{123} rank
type       numeric
```
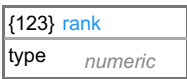
### 2.1.2.3.3.24.2 rank properties

| PROPERTY | VALUE |
|---|---|
| Name | rank |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 0 |
| Subtype | integer32 |
| Unit | |
| Min value | 0 |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.3.3.25 Field upvotes

### 2.1.2.3.3.25.1 upvotes Tree Diagram

| {123} upvotes | |
|---|---|
| type | numeric |

### 2.1.2.3.3.25.2 upvotes properties

| PROPERTY | VALUE |
|---|---|
| Name | upvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 0 |
| Subtype | integer32 |
| Unit | |
| Min value | 0 |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.3.3.26 Field downvotes

### 2.1.2.3.3.26.1 downvotes Tree Diagram

| {123} downvotes | |
|---|---|
| type | *numeric* |

### 2.1.2.3.3.26.2 downvotes properties

| PROPERTY | VALUE |
|---|---|
| Name | downvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 0 |
| Subtype | integer32 |
| Unit | |
| Min value | 0 |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.3.3.27 Field views

### 2.1.2.3.3.27.1 views Tree Diagram

| {123} views | |
|---|---|
| type | *numeric* |

### 2.1.2.3.3.27.2 views properties

| PROPERTY | VALUE |
| --- | --- |
| Name | views |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.3.3.28 Field title

### 2.1.2.3.3.28.1 title Tree Diagram

```
{ABC} title
type      string
```

### 2.1.2.3.3.28.2 title properties

| PROPERTY | VALUE |
| --- | --- |
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Scarlet, Dillion and Bruce Enjoy a Threesome |
| Comments | |

### 2.1.2.3.3.29 Field dynamodbid

### 2.1.2.3.3.29.1 dynamodbid Tree Diagram

| {ABC} dynamodbid | |
|---|---|
| type | *string* |

### 2.1.2.3.3.29.2 dynamodbid properties

| PROPERTY | VALUE |
|---|---|
| Name | dynamodbid |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | [0-9a-fA-F]{8}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{4}\-[0-9a-fA-F]{12} |
| Format | |
| Enum | |
| Sample | 46a3258c-eca0-4a78-b45a-09ed2290d755 |
| Comments | |

### 2.1.2.3.3.30 Field description

### 2.1.2.3.3.30.1 description Tree Diagram

| {ABC} description | |
|---|---|
| type | *string* |

### 2.1.2.3.3.30.2 description properties

| PROPERTY | VALUE |
|---|---|
| Name | description |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Though these tender teens have experienced a lot for young girls their age, they have yet to explore the pleasures of anal. That's where Private cum in! In Anal Innocence you will see some seriously tight ass cherries get popped as these young babes embrace their darkest side and give in to the wonders of anal sex. Complete with ATM facials and sticky anal creampies, this ass fucking feature will satisfy all your needs, and then some! |
| Comments | |

### 2.1.2.3.3.31 Field volume

### 2.1.2.3.3.31.1 volume Tree Diagram

| {_id} volume | |
|---|---|
| type | *objectId* |

### 2.1.2.3.3.31.2 volume properties

| PROPERTY | VALUE |
|---|---|
| Name | volume |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | volume |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.3.3.32 Field price

### 2.1.2.3.3.32.1 price Tree Diagram

```
{123} price
type        numeric
```

### 2.1.2.3.3.32.2 price properties

| PROPERTY | VALUE |
|---|---|
| Name | price |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 9.99 |
| Subtype | double |
| Unit | $ |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 2.99 |
| Comments | |

## 2.1.2.3.3.33 Field slug

### 2.1.2.3.3.33.1 slug Tree Diagram

```
{ABC} slug
type        string
```

### 2.1.2.3.3.33.2 slug properties

| PROPERTY | VALUE |
|---|---|
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^[a-z0-9]+(?:-[a-z0-9]+)*$ |
| Format | |
| Enum | |
| Sample | private-specials-161-anal-innocence-s5 |
| Comments | |

### 2.1.2.3.3.34 Field series

### 2.1.2.3.3.34.1 series Tree Diagram

| {ABC} series | |
|---|---|
| type | string |

### 2.1.2.3.3.34.2 series properties

| PROPERTY | VALUE |
|---|---|
| Name | series |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.3.35 Field ispublished

### 2.1.2.3.3.35.1 ispublished Tree Diagram

```
{0/1} ispublished
type            boolean
```

### 2.1.2.3.3.35.2 ispublished properties

| PROPERTY | VALUE |
|---|---|
| Name | ispublished |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

## 2.1.2.3.3.36 Field _created

### 2.1.2.3.3.36.1 _created Tree Diagram

```
{dt} _created
type            date
```

### 2.1.2.3.3.36.2 _created properties

| PROPERTY | VALUE |
|---|---|
| Name | _created |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-22T02:03:35.922Z |
| Comments | |

## 2.1.2.3.3.37 Field _modified

### 2.1.2.3.3.37.1 _modified Tree Diagram

```
{dt} _modified
type              date
```
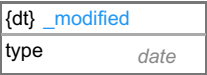
### 2.1.2.3.3.37.2 _modified properties

| PROPERTY | VALUE |
| --- | --- |
| Name | _modified |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-22T02:03:41.827Z |
| Comments | |

### 2.1.2.3.3.38 Field chapters

### 2.1.2.3.3.38.1 chapters Tree Diagram

```
[...] chapters              {...} [0]*
type              array  —  type          document
```
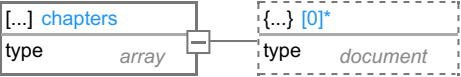
### 2.1.2.3.3.38.2 chapters Hierarchy

Parent field: scene
Child field(s):

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

### 2.1.2.3.3.38.3 chapters properties

| PROPERTY | VALUE |
|---|---|
| Name | chapters |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.3.3.39 Field New Field

### 2.1.2.3.3.39.1 New Field Tree Diagram
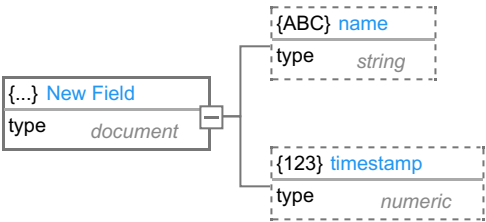


### 2.1.2.3.3.39.2 New Field Hierarchy

Parent field: chapters
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| name | string | false | | | |
| timestamp | numeric | false | | | |

### 2.1.2.3.3.39.3 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.3.3.40 Field name

### 2.1.2.3.3.40.1 name Tree Diagram

```
{ABC} name
type        string
```

### 2.1.2.3.3.40.2 name properties

| PROPERTY | VALUE |
|---|---|
| Name | name |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | placeholder2 |
| Comments | |

### 2.1.2.3.3.41 Field timestamp

### 2.1.2.3.3.41.1 timestamp Tree Diagram

```
{123} timestamp
type        numeric
```
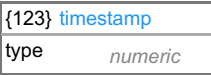
### 2.1.2.3.3.41.2 timestamp properties

| PROPERTY | VALUE |
|---|---|
| Name | timestamp |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 4324 |
| Comments | |

### 2.1.2.3.3.42 Field extras

### 2.1.2.3.3.42.1 extras Tree Diagram

```
[...] extras          {...} [0]*
type       array      type       document
```
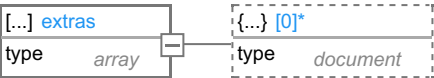
### 2.1.2.3.3.42.2 extras Hierarchy

Parent field: scene
Child field(s):

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

### 2.1.2.3.3.42.3 extras properties

| PROPERTY | VALUE |
|---|---|
| Name | extras |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.3.3.43 Field New Field

### 2.1.2.3.3.43.1 New Field Tree Diagram
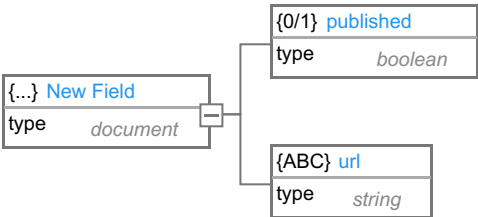


### 2.1.2.3.3.43.2 New Field Hierarchy

Parent field: extras
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| published | boolean | true | | | |
| url | string | true | | | |

### 2.1.2.3.3.43.3 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.3.3.44 Field published

### 2.1.2.3.3.44.1 published Tree Diagram

{0/1} published
type          *boolean*

### 2.1.2.3.3.44.2 published properties

| PROPERTY | VALUE |
|---|---|
| Name | published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.3.3.45 Field url

### 2.1.2.3.3.45.1 url Tree Diagram

{ABC} url
type          *string*

### 2.1.2.3.3.45.2 url properties

| PROPERTY | VALUE |
|---|---|
| Name | url |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\V\www\.|https:\V\www\.|http:\V\|https:\V\)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\V.*)?$ |
| Format | |
| Enum | |
| Sample | https://www.youtube.com/watch?v=f4Mc-NYPHaQ |
| Comments | |

### 2.1.2.3.3.46 Field tags

### 2.1.2.3.3.46.1 tags Tree Diagram

### 2.1.2.3.3.46.2 tags Hierarchy

Parent field: scene
Child field(s):

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

### 2.1.2.3.3.46.3 tags properties

| PROPERTY | VALUE |
|---|---|
| Name | tags |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.3.3.47 Field New Field

### 2.1.2.3.3.47.1 New Field Tree Diagram

| {ABC} New Field | |
|---|---|
| type | *string* |

### 2.1.2.3.3.47.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.3.4 scene Indexes

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

### 2.1.2.3.5 scene JSON Schema

```
{
   "$schema": "http://json-schema.org/draft-04/schema#",
   "type": "object",
   "properties": {
      "_id": {
         "type": "string",
         "primaryKey": true,
         "pattern": "^[a-fA-F0-9]{24}$"
      },
      "images": {
         "type": "object",
         "additionalProperties": false,
         "properties": {
            "landscape": {
               "type": "string",
               "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
            },
            "portrait": {
               "type": "string",
               "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
            },
            "banner": {
               "type": "string",
               "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
            },
            "detailpage": {
               "type": "string",
               "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
            }
         }
      },
      "thumbnails": {
         "type": "object",
         "additionalProperties": false,
         "properties": {
            "prefix": {
               "type": "string",
```

```
                  "sample": "deleteme"
                },
                "count": {
                  "type": "integer",
                  "mode": "integer32",
                  "sample": 100
                },
                "format": {
                  "type": "string",
                  "sample": "jpg"
                }
              }
            },
            "trailer": {
              "type": "object",
              "additionalProperties": false,
              "properties": {
                "dynamodbid": {
                  "type": "string",
                  "pattern": "[0-9a-fA-F]{8}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{12}"
                },
                "title": {
                  "type": "string"
                }
              }
            },
            "information": {
              "type": "object",
              "additionalProperties": false,
              "properties": {
                "studio": {
                  "type": "string",
                  "pattern": "^[a-fA-F0-9]{24}$"
                },
                "length": {
                  "type": "integer",
                  "default": 0,
                  "mode": "integer32",
                  "sample": 8912,
                  "unit": "cm"
                },
                "director": {
                  "type": "array",
                  "additionalItems": true,
                  "uniqueItems": false,
                  "items": {
                    "type": "string",
                    "arrayItem": true,
                    "pattern": "^[a-fA-F0-9]{24}$"
                  }
                },
                "quality": {
                  "type": "array",
                  "additionalItems": true,
                  "uniqueItems": false,
                  "items": {
                    "type": "integer",
                    "arrayItem": true,
                    "mode": "integer32",
```

```
                    "sample": 1080
                 }
              },
              "stars": {
                 "type": "array",
                 "additionalItems": true,
                 "uniqueItems": false,
                 "items": {
                    "type": "string",
                    "arrayItem": true,
                    "pattern": "^[a-fA-F0-9]{24}$"
                 }
              }
           }
        },
        "performance": {
           "type": "object",
           "additionalProperties": false,
           "properties": {
              "rank": {
                 "type": "integer",
                 "default": 0,
                 "minimum": 0,
                 "mode": "integer32",
                 "sample": 0
              },
              "upvotes": {
                 "type": "integer",
                 "default": 0,
                 "minimum": 0,
                 "mode": "integer32",
                 "sample": 0
              },
              "downvotes": {
                 "type": "integer",
                 "default": 0,
                 "minimum": 0,
                 "mode": "integer32",
                 "sample": 0
              },
              "views": {
                 "type": "number",
                 "sample": 0
              }
           }
        },
        "title": {
           "type": "string",
           "sample": "Scarlet, Dillion and Bruce Enjoy a Threesome"
        },
        "dynamodbid": {
           "type": "string",
           "pattern": "[0-9a-fA-F]{8}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{4}\\-[0-9a-fA-F]{12}",
           "sample": "46a3258c-eca0-4a78-b45a-09ed2290d755"
        },
        "description": {
           "type": "string",
           "sample": "Though these tender teens have experienced a lot for young girls their age, they have yet to
explore the pleasures of anal. That's where Private cum in! In Anal Innocence you will see some seriously tight
```

```
ass cherries get popped as these young babes embrace their darkest side and give in to the wonders of anal
sex. Complete with ATM facials and sticky anal creampies, this ass fucking feature will satisfy all your needs,
and then some!"
    },
    "volume": {
        "type": "string",
        "pattern": "^[a-fA-F0-9]{24}$"
    },
    "price": {
        "type": "number",
        "default": 9.99,
        "mode": "double",
        "sample": 2.99,
        "unit": "$"
    },
    "slug": {
        "type": "string",
        "pattern": "^[a-z0-9]+(?:-[a-z0-9]+)*$",
        "sample": "private-specials-161-anal-innocence-s5"
    },
    "series": {
        "type": "string"
    },
    "ispublished": {
        "type": "boolean",
        "sample": false
    },
    "_created": {
        "type": "string",
        "format": "date-time",
        "sample": "2018-11-22T02:03:35.922Z"
    },
    "_modified": {
        "type": "string",
        "format": "date-time",
        "sample": "2018-11-22T02:03:41.827Z"
    },
    "chapters": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
            "type": "object",
            "additionalProperties": false,
            "arrayItem": true,
            "properties": {
                "name": {
                    "type": "string",
                    "sample": "placeholder2"
                },
                "timestamp": {
                    "type": "integer",
                    "mode": "integer32",
                    "sample": 4324
                }
            }
        }
    },
    "extras": {
```

```
          "type": "array",
          "additionalItems": true,
          "uniqueItems": false,
          "items": {
            "type": "object",
            "additionalProperties": false,
            "arrayItem": true,
            "properties": {
              "published": {
                "type": "boolean",
                "sample": false
              },
              "url": {
                "type": "string",
                "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$",
                "sample": "https://www.youtube.com/watch?v=f4Mc-NYPHaQ"
              }
            },
            "required": [
              "published",
              "url"
            ]
          }
        },
        "tags": {
          "type": "array",
          "additionalItems": true,
          "uniqueItems": false,
          "items": {
            "type": "string",
            "arrayItem": true
          }
        }
      },
      "required": [
        "_id",
        "images",
        "thumbnails",
        "trailer",
        "information",
        "performance",
        "title",
        "volume",
        "price",
        "series",
        "ispublished",
        "_created",
        "_modified",
        "chapters",
        "extras",
        "tags"
      ]
}
```

2.1.2.3.6 scene JSON data

```
{
    "_id": ObjectId("507f1f77bcf86cd799439011"),
    "images": {
        "landscape": "Lorem",
        "portrait": "Lorem",
        "banner": "Lorem",
        "detailpage": "Lorem"
    },
    "thumbnails": {
        "prefix": "deleteme",
        "count": 100,
        "format": "jpg"
    },
    "trailer": {
        "dynamodbid": "Lorem",
        "title": "Lorem"
    },
    "information": {
        "studio": ObjectId("507f1f77bcf86cd799439011"),
        "length": 8912,
        "director": [
            ObjectId("507f1f77bcf86cd799439011")
        ],
        "quality": [
            1080
        ],
        "stars": [
            ObjectId("507f1f77bcf86cd799439011")
        ]
    },
    "performance": {
        "rank": 0,
        "upvotes": 0,
        "downvotes": 0,
        "views": 0
    },
    "title": "Scarlet, Dillion and Bruce Enjoy a Threesome",
    "dynamodbid": "46a3258c-eca0-4a78-b45a-09ed2290d755",
    "description": "Though these tender teens have experienced a lot for young girls their age, they have yet to
explore the pleasures of anal. That's where Private cum in! In Anal Innocence you will see some seriously tight
ass cherries get popped as these young babes embrace their darkest side and give in to the wonders of anal
sex. Complete with ATM facials and sticky anal creampies, this ass fucking feature will satisfy all your needs,
and then some!",
    "volume": ObjectId("507f1f77bcf86cd799439011"),
    "price": 2.99,
    "slug": "private-specials-161-anal-innocence-s5",
    "series": "Lorem",
    "ispublished": false,
    "_created": "2018-11-22T02:03:35.922Z",
    "_modified": "2018-11-22T02:03:41.827Z",
    "chapters": [
        {
            "name": "placeholder2",
            "timestamp": 4324
        }
    ],
    "extras": [
        {
```

```
        "published": false,
        "url": "https://www.youtube.com/watch?v=f4Mc-NYPHaQ"
    }
  ],
  "tags": [
    "Lorem"
  ]
}
```

## 2.1.2.4 Collection series

### 2.1.2.4.1 series Tree Diagram
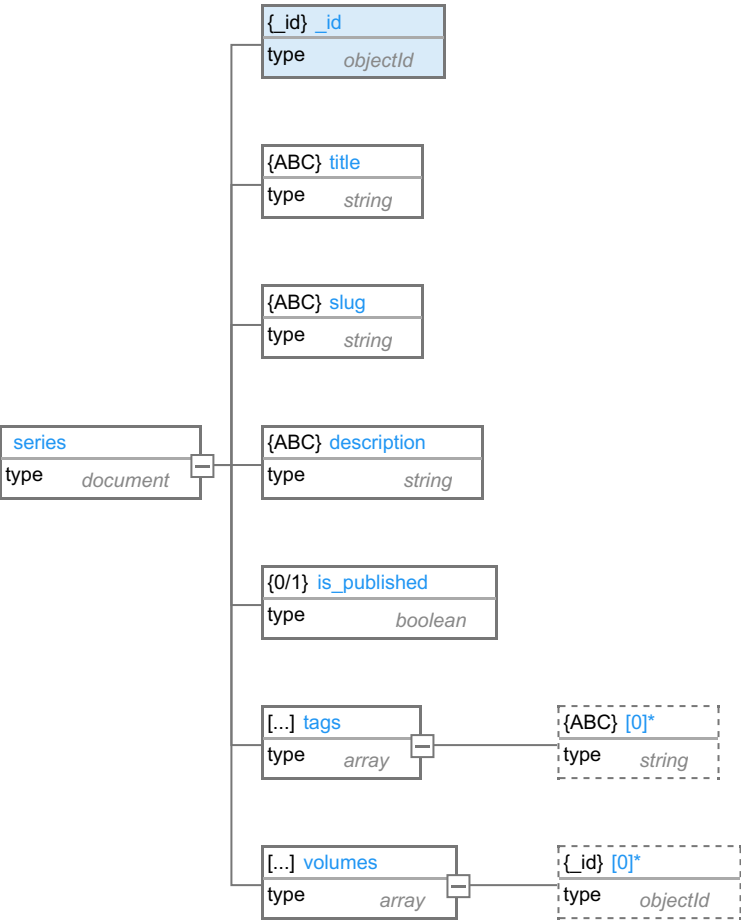


### 2.1.2.4.2 series Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | series |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

## 2.1.2.4.3 series Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| _id | objectId | true | | | |
| title | string | true | | | |
| slug | string | true | | | |
| description | string | true | | | |
| is_published | boolean | true | | | |
| tags | array | true | | | |
| [0] | string | false | | | |
| volumes | array | true | | | |
| [0] | objectId | false | | | |

### 2.1.2.4.3.1 Field _id

#### 2.1.2.4.3.1.1 _id Tree Diagram

| {_id} _id | |
|---|---|
| type | objectId |

#### 2.1.2.4.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.4.3.2 Field title

### 2.1.2.4.3.2.1 title Tree Diagram

| {ABC} title | |
|---|---|
| type | *string* |

### 2.1.2.4.3.2.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Jay's POV |
| Comments | |

### 2.1.2.4.3.3 Field slug

### 2.1.2.4.3.3.1 slug Tree Diagram

| {ABC} slug | |
|---|---|
| type | *string* |

### 2.1.2.4.3.3.2 slug properties

| PROPERTY | VALUE |
| --- | --- |
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | jays-pov |
| Comments | |

## 2.1.2.4.3.4 Field description

### 2.1.2.4.3.4.1 description Tree Diagram

{ABC} description
type            *string*

### 2.1.2.4.3.4.2 description properties

| PROPERTY | VALUE |
| --- | --- |
| Name | description |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

## 2.1.2.4.3.5 Field is_published

### 2.1.2.4.3.5.1 is_published Tree Diagram

```
{0/1} is_published
type            boolean
```
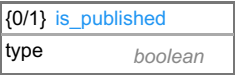
### 2.1.2.4.3.5.2 is_published properties

| PROPERTY | VALUE |
|---|---|
| Name | is_published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

## 2.1.2.4.3.6 Field tags

### 2.1.2.4.3.6.1 tags Tree Diagram

```
[...] tags              {ABC} [0]*
type       array        type       string
```
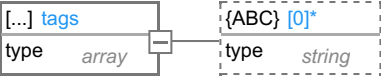
### 2.1.2.4.3.6.2 tags Hierarchy

Parent field: series
Child field(s):

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

### 2.1.2.4.3.6.3 tags properties

| PROPERTY | VALUE |
|---|---|
| Name | tags |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.4.3.7 Field New Field

### 2.1.2.4.3.7.1 New Field Tree Diagram

| {ABC} New Field | |
|---|---|
| type | *string* |

### 2.1.2.4.3.7.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | anal |
| Comments | |

## 2.1.2.4.3.8 Field volumes

### 2.1.2.4.3.8.1 volumes Tree Diagram

```
[...] volumes                {_id} [0]*
type          array          type        objectId
```

### 2.1.2.4.3.8.2 volumes Hierarchy

Parent field: series
Child field(s):

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

### 2.1.2.4.3.8.3 volumes properties

| PROPERTY | VALUE |
|----------|-------|
| Name | volumes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.4.3.9 Field New Field

### 2.1.2.4.3.9.1 New Field Tree Diagram

```
{_id} New Field
type          objectId
```

### 2.1.2.4.3.9.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | volume |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.4.4 series Indexes

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

### 2.1.2.4.5 series JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "title": {
            "type": "string",
            "sample": "Jay's POV"
        },
        "slug": {
            "type": "string",
            "sample": "jays-pov"
        },
        "description": {
            "type": "string"
        },
        "is_published": {
            "type": "boolean",
            "sample": false
        },
        "tags": {
            "type": "array",
            "additionalItems": true,
            "uniqueItems": false,
            "items": {
                "type": "string",
                "arrayItem": true,
                "sample": "anal"
            }
        },
        "volumes": {
            "type": "array",
            "additionalItems": true,
            "uniqueItems": false,
            "items": {
                "type": "string",
                "arrayItem": true,
                "pattern": "^[a-fA-F0-9]{24}$"
            }
        }
    },
    "required": [
        "_id",
        "title",
        "slug",
        "description",
        "is_published",
        "tags",
        "volumes"
    ]
}
```
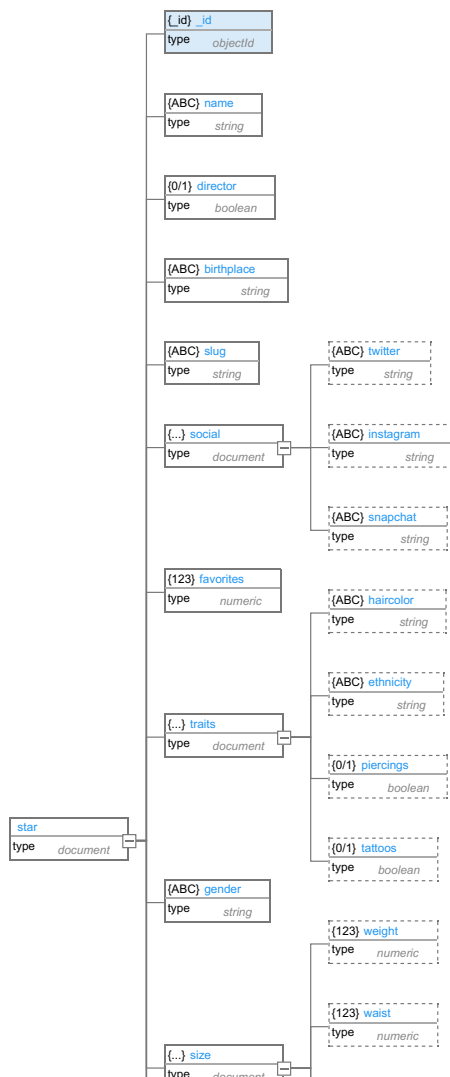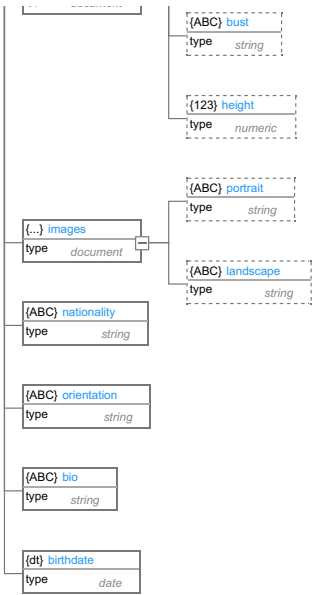
## 2.1.2.4.6 series JSON data

```
{
    "_id": ObjectId("507f1f77bcf86cd799439011"),
    "title": "Jay's POV",
    "slug": "jays-pov",
    "description": "Lorem",
    "is_published": false,
    "tags": [
        "anal"
    ],
    "volumes": [
        ObjectId("507f1f77bcf86cd799439011")
    ]
}
```

## 2.1.2.5 Collection star

### 2.1.2.5.1 star Tree Diagram

```
                    {ABC} bust
                    type        string

                    {123} height
                    type        numeric

                    {ABC} portrait
                    type        string
  {...} images
  type    document
                    {ABC} landscape
                    type        string

  {ABC} nationality
  type        string

  {ABC} orientation
  type        string

  {ABC} bio
  type        string

  {dt} birthdate
  type        date
```

## 2.1.2.5.2 star Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | star |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

## 2.1.2.5.3 star Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| _id | objectId | true | | | |
| name | string | true | | | |
| director | boolean | true | | | |
| birthplace | string | true | | | |
| slug | string | true | | | |
| social | document | true | | | |
| twitter | string | false | | | |
| instagram | string | false | | | |
| snapchat | string | false | | | |
| favorites | numeric | true | | | |
| traits | document | true | | | |
| haircolor | string | false | | | |
| ethnicity | string | false | | | |
| piercings | boolean | false | | | |
| tattoos | boolean | false | | | |
| gender | string | true | | | |
| size | document | true | | | |
| weight | numeric | false | | | |
| waist | numeric | false | | | |
| bust | string | false | | | |
| height | numeric | false | | | |
| images | document | true | | | |
| portrait | string | false | | | |
| landscape | string | false | | | |
| nationality | string | true | | | |
| orientation | string | true | | | |
| bio | string | true | | | |
| birthdate | date | true | | | |

## 2.1.2.5.3.1 Field _id

### 2.1.2.5.3.1.1 _id Tree Diagram

| {_id} _id | |
|-----------|---------------|
| type | *objectId* |

### 2.1.2.5.3.1.2 _id properties

| PROPERTY | VALUE |
|----------|-------|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.5.3.2 Field name

### 2.1.2.5.3.2.1 name Tree Diagram

| {ABC} name | |
|---|---|
| type | *string* |

### 2.1.2.5.3.2.2 name properties

| PROPERTY | VALUE |
|---|---|
| Name | name |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Michael Vegas |
| Comments | |

### 2.1.2.5.3.3 Field director

### 2.1.2.5.3.3.1 director Tree Diagram

| {0/1} director | |
|---|---|
| type | *boolean* |

### 2.1.2.5.3.3.2 director properties

| PROPERTY | VALUE |
|---|---|
| Name | director |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | true |
| Comments | |

### 2.1.2.5.3.4 Field birthplace

### 2.1.2.5.3.4.1 birthplace Tree Diagram

| {ABC} birthplace | |
|---|---|
| type | *string* |

### 2.1.2.5.3.4.2 birthplace properties

| PROPERTY | VALUE |
|---|---|
| Name | birthplace |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | berlin |
| Comments | |

### 2.1.2.5.3.5 Field slug

### 2.1.2.5.3.5.1 slug Tree Diagram

| {ABC} slug | |
|---|---|
| type | *string* |

### 2.1.2.5.3.5.2 slug properties

| PROPERTY | VALUE |
|---|---|
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | michael-vegas |
| Comments | |

### 2.1.2.5.3.6 Field social

### 2.1.2.5.3.6.1 social Tree Diagram
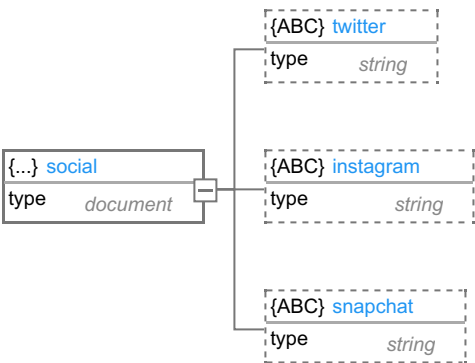


### 2.1.2.5.3.6.2 social Hierarchy

Parent field: star
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| twitter | string | false | | | |
| instagram | string | false | | | |
| snapchat | string | false | | | |

### 2.1.2.5.3.6.3 social properties

| PROPERTY | VALUE |
| --- | --- |
| Name | social |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.5.3.7 Field twitter

### 2.1.2.5.3.7.1 twitter Tree Diagram

| {ABC} twitter | |
| --- | --- |
| type | *string* |

### 2.1.2.5.3.7.2 twitter properties

| PROPERTY | VALUE |
| --- | --- |
| Name | twitter |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | https://twitter.com/ |
| Comments | |

### 2.1.2.5.3.8 Field instagram

### 2.1.2.5.3.8.1 instagram Tree Diagram

{ABC} instagram
type            *string*

### 2.1.2.5.3.8.2 instagram properties

| PROPERTY | VALUE |
|---|---|
| Name | instagram |
| Id |  |
| Type | string |
| Description |  |
| Dependencies |  |
| Required | false |
| Primary key | false |
| Foreign collection |  |
| Foreign field |  |
| Relationship type |  |
| Default |  |
| Min length |  |
| Max length |  |
| Pattern |  |
| Format |  |
| Enum |  |
| Sample | https://www.instagram.com/ |
| Comments |  |

### 2.1.2.5.3.9 Field snapchat

### 2.1.2.5.3.9.1 snapchat Tree Diagram

{ABC} snapchat
type            *string*

### 2.1.2.5.3.9.2 snapchat properties

| PROPERTY | VALUE |
|---|---|
| Name | snapchat |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | snapname |
| Comments | |

## 2.1.2.5.3.10 Field favorites

### 2.1.2.5.3.10.1 favorites Tree Diagram

| {123} favorites | |
|---|---|
| type | numeric |

### 2.1.2.5.3.10.2 favorites properties

| PROPERTY | VALUE |
|---|---|
| Name | favorites |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 100 |
| Comments | |

## 2.1.2.5.3.11 Field traits

### 2.1.2.5.3.11.1 traits Tree Diagram
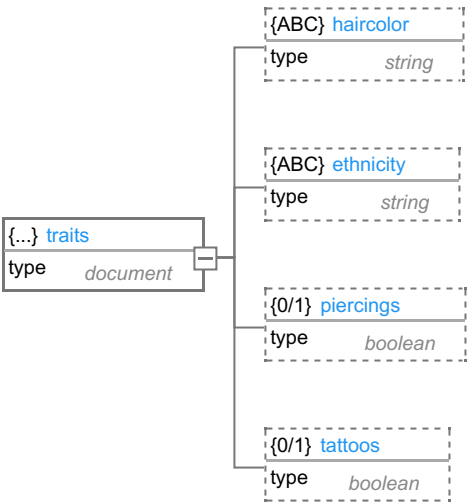


### 2.1.2.5.3.11.2 traits Hierarchy

Parent field: star
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| haircolor | string | false | | | |
| ethnicity | string | false | | | |
| piercings | boolean | false | | | |
| tattoos | boolean | false | | | |

### 2.1.2.5.3.11.3 traits properties

| PROPERTY | VALUE |
|----------|-------|
| Name | traits |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.5.3.12 Field haircolor

### 2.1.2.5.3.12.1 haircolor Tree Diagram

| {ABC} haircolor | |
|---|---|
| type | *string* |

### 2.1.2.5.3.12.2 haircolor properties

| PROPERTY | VALUE |
|---|---|
| Name | haircolor |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | hair |
| Comments | |

### 2.1.2.5.3.13 Field ethnicity

### 2.1.2.5.3.13.1 ethnicity Tree Diagram

| {ABC} ethnicity | |
|---|---|
| type | *string* |

### 2.1.2.5.3.13.2 ethnicity properties

| PROPERTY | VALUE |
|---|---|
| Name | ethnicity |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | person |
| Comments | |

### 2.1.2.5.3.14 Field piercings

### 2.1.2.5.3.14.1 piercings Tree Diagram

| {0/1} piercings |
|---|
| type          *boolean* |

### 2.1.2.5.3.14.2 piercings properties

| PROPERTY | VALUE |
|---|---|
| Name | piercings |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.5.3.15 Field tattoos

### 2.1.2.5.3.15.1 tattoos Tree Diagram

| {0/1} tattoos |
|---|
| type          *boolean* |

### 2.1.2.5.3.15.2 tattoos properties

| PROPERTY | VALUE |
|---|---|
| Name | tattoos |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

## 2.1.2.5.3.16 Field gender

### 2.1.2.5.3.16.1 gender Tree Diagram

{ABC} gender
type          *string*

### 2.1.2.5.3.16.2 gender properties

| PROPERTY | VALUE |
|---|---|
| Name | gender |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | male |
| Comments | |

## 2.1.2.5.3.17 Field size

## 2.1.2.5.3.17.1 size Tree Diagram

```
                              {123} weight
                          ┌───┤────────────────
                          │    type      numeric
                          │
                          │   {123} waist
                          ┌───┤────────────────
                          │    type      numeric
  {...} size              │
  ─────────────┤─         │   {ABC} bust
  type   document         ┌───┤────────────────
                          │    type      string
                          │
                          │   {123} height
                          └───┤────────────────
                               type      numeric
```
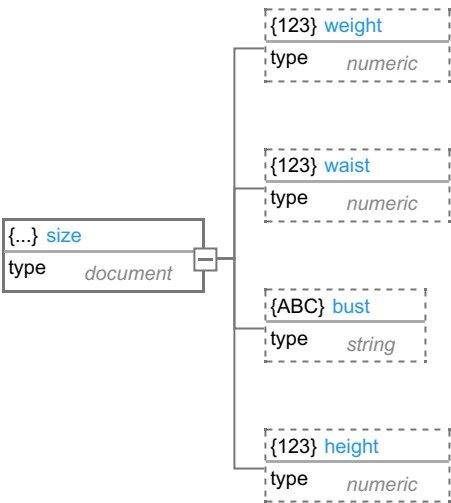
## 2.1.2.5.3.17.2 size Hierarchy

Parent field: star
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| weight | numeric | false | | | |
| waist | numeric | false | | | |
| bust | string | false | | | |
| height | numeric | false | | | |

## 2.1.2.5.3.17.3 size properties

| PROPERTY | VALUE |
|----------|-------|
| Name | size |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.5.3.18 Field weight

## 2.1.2.5.3.18.1 weight Tree Diagram

```
  {123} weight
  ─────────────
  type   numeric
```
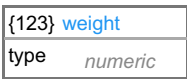
### 2.1.2.5.3.18.2 weight properties

| PROPERTY | VALUE |
|---|---|
| Name | weight |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | double |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.5.3.19 Field waist

### 2.1.2.5.3.19.1 waist Tree Diagram

| {123} waist | |
|---|---|
| type | numeric |

### 2.1.2.5.3.19.2 waist properties

| PROPERTY | VALUE |
|---|---|
| Name | waist |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.5.3.20 Field bust

### 2.1.2.5.3.20.1 bust Tree Diagram

| {ABC} bust | |
|---|---|
| type | *string* |

### 2.1.2.5.3.20.2 bust properties

| PROPERTY | VALUE |
|---|---|
| Name | bust |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | 34D |
| Comments | |

### 2.1.2.5.3.21 Field height

### 2.1.2.5.3.21.1 height Tree Diagram

```
{123} height
type      numeric
```

### 2.1.2.5.3.21.2 height properties

| PROPERTY | VALUE |
|---|---|
| Name | height |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | integer32 |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.5.3.22 Field images

### 2.1.2.5.3.22.1 images Tree Diagram

```
                        {ABC} portrait
                        type      string
{...} images
type      document
                        {ABC} landscape
                        type      string
```
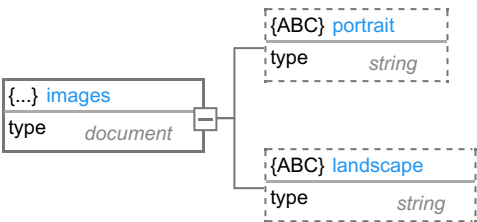
### 2.1.2.5.3.22.2 images Hierarchy

Parent field: star
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| portrait | string | false | | | |
| landscape | string | false | | | |

### 2.1.2.5.3.22.3 images properties

| PROPERTY | VALUE |
|---|---|
| Name | images |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.5.3.23 Field portrait

### 2.1.2.5.3.23.1 portrait Tree Diagram

| {ABC} portrait | |
|---|---|
| type | *string* |

### 2.1.2.5.3.23.2 portrait properties

| PROPERTY | VALUE |
|---|---|
| Name | portrait |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+(([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | https://s3.amazonaws.com/vuli-public-assets/media/5bfa11c558b1806dd8cab8f3/images/portrait |
| Comments | |

### 2.1.2.5.3.24 Field landscape

### 2.1.2.5.3.24.1 landscape Tree Diagram

| {ABC} landscape | |
|---|---|
| type | *string* |

### 2.1.2.5.3.24.2 landscape properties

| PROPERTY | VALUE |
|---|---|
| Name | landscape |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | https://s3.amazonaws.com/vuli-public-assets/media/5bfa11c558b1806dd8cab8f3/images/landscape |
| Comments | |

### 2.1.2.5.3.25 Field nationality

### 2.1.2.5.3.25.1 nationality Tree Diagram

| {ABC} nationality | |
|---|---|
| type | *string* |

### 2.1.2.5.3.25.2 nationality properties

| PROPERTY | VALUE |
|---|---|
| Name | nationality |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | unknown |
| Comments | |

### 2.1.2.5.3.26 Field orientation

### 2.1.2.5.3.26.1 orientation Tree Diagram

```
{ABC} orientation
type            string
```

### 2.1.2.5.3.26.2 orientation properties

| PROPERTY | VALUE |
|---|---|
| Name | orientation |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | straight |
| Comments | |

### 2.1.2.5.3.27 Field bio

### 2.1.2.5.3.27.1 bio Tree Diagram

```
{ABC} bio
type        string
```

### 2.1.2.5.3.27.2 bio properties

| PROPERTY | VALUE |
|---|---|
| Name | bio |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | "" |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.5.3.28 Field birthdate

### 2.1.2.5.3.28.1 birthdate Tree Diagram

```
{dt} birthdate
type        date
```

### 2.1.2.5.3.28.2 birthdate properties

| PROPERTY | VALUE |
|---|---|
| Name | birthdate |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | 2000-11-22T02:03:41.827Z |
| Sample | 2000-11-22T02:03:41.827Z |
| Comments | |

### 2.1.2.5.4 star Indexes

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

### 2.1.2.5.5 star JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "name": {
            "type": "string",
            "sample": "Michael Vegas"
        },
        "director": {
            "type": "boolean",
            "sample": false
        },
        "birthplace": {
            "type": "string",
            "sample": "berlin"
        },
        "slug": {
            "type": "string",
            "sample": "michael-vegas"
        },
        "social": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "twitter": {
                    "type": "string",
                    "sample": "https://twitter.com/"
                },
                "instagram": {
                    "type": "string",
                    "sample": "https://www.instagram.com/"
                },
                "snapchat": {
                    "type": "string",
                    "sample": "snapname"
                }
            }
        }
    }
}
```

```
          }
        },
        "favorites": {
          "type": "integer",
          "mode": "integer32",
          "sample": 100
        },
        "traits": {
          "type": "object",
          "additionalProperties": false,
          "properties": {
            "haircolor": {
              "type": "string",
              "sample": "hair"
            },
            "ethnicity": {
              "type": "string",
              "sample": "person"
            },
            "piercings": {
              "type": "boolean",
              "sample": false
            },
            "tattoos": {
              "type": "boolean",
              "sample": false
            }
          }
        },
        "gender": {
          "type": "string",
          "sample": "male"
        },
        "size": {
          "type": "object",
          "additionalProperties": false,
          "properties": {
            "weight": {
              "type": "number",
              "mode": "double",
              "sample": 0
            },
            "waist": {
              "type": "integer",
              "mode": "integer32",
              "sample": 0
            },
            "bust": {
              "type": "string",
              "sample": "34D"
            },
            "height": {
              "type": "integer",
              "mode": "integer32",
              "sample": 0
            }
          }
        },
        "images": {
```

```
          "type": "object",
          "additionalProperties": false,
          "properties": {
            "portrait": {
              "type": "string",
              "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$",
              "sample": "https://s3.amazonaws.com/vuli-public-
assets/media/5bfa11c558b1806dd8cab8f3/images/portrait"
            },
            "landscape": {
              "type": "string",
              "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$",
              "sample": "https://s3.amazonaws.com/vuli-public-
assets/media/5bfa11c558b1806dd8cab8f3/images/landscape"
            }
          }
        },
        "nationality": {
          "type": "string",
          "sample": "unknown"
        },
        "orientation": {
          "type": "string",
          "sample": "straight"
        },
        "bio": {
          "type": "string",
          "default": "\"\""
        },
        "birthdate": {
          "type": "string",
          "format": "date-time"
        }
      },
      "required": [
        "_id",
        "name",
        "director",
        "birthplace",
        "slug",
        "social",
        "favorites",
        "traits",
        "gender",
        "size",
        "images",
        "nationality",
        "orientation",
        "bio",
        "birthdate"
      ]
}
```

2.1.2.5.6 star JSON data

```
{
   "_id": ObjectId("507f1f77bcf86cd799439011"),
   "name": "Michael Vegas",
   "director": true,
   "birthplace": "berlin",
   "slug": "michael-vegas",
   "social": {
      "twitter": "https://twitter.com/",
      "instagram": "https://www.instagram.com/",
      "snapchat": "snapname"
   },
   "favorites": 100,
   "traits": {
      "haircolor": "hair",
      "ethnicity": "person",
      "piercings": false,
      "tattoos": false
   },
   "gender": "male",
   "size": {
      "weight": 0,
      "waist": 0,
      "bust": "34D",
      "height": 0
   },
   "images": {
      "portrait": "https://s3.amazonaws.com/vuli-public-
assets/media/5bfa11c558b1806dd8cab8f3/images/portrait",
      "landscape": "https://s3.amazonaws.com/vuli-public-
assets/media/5bfa11c558b1806dd8cab8f3/images/landscape"
   },
   "nationality": "unknown",
   "orientation": "straight",
   "bio": "",
   "birthdate": ISODate("2016-04-08T15:06:21.595Z")
}
```

## 2.1.2.6 Collection studio

### 2.1.2.6.1 studio Tree Diagram

| studio | |
|---|---|
| type | *document* |

```
type        string
```

| {...} images | | {ABC} thumbnail | |
|---|---|---|---|
| type | *document* | type | *string* |

| {dt} _created | |
|---|---|
| type | *date* |

| {dt} _modified | |
|---|---|
| type | *date* |

| {ABC} thumbnail | |
|---|---|
| type | *string* |
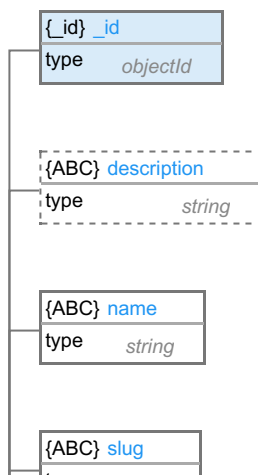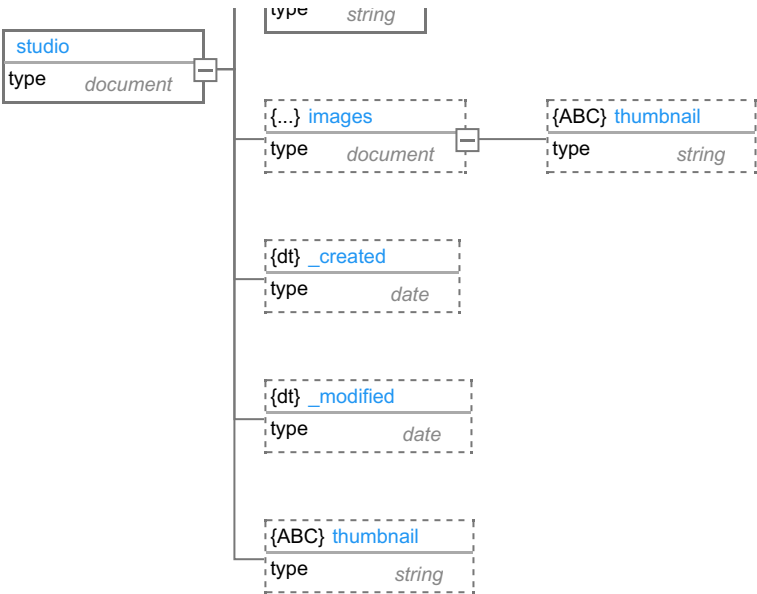
### 2.1.2.6.2 studio Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | studio |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

### 2.1.2.6.3 studio Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| _id | objectId | true | | | |
| description | string | false | | | |
| name | string | true | | | |
| slug | string | true | | | |
| images | document | false | | | |
| thumbnail | string | false | | | |
| _created | date | false | | | |
| _modified | date | false | | | |
| thumbnail | string | false | | | |

#### 2.1.2.6.3.1 Field _id

##### 2.1.2.6.3.1.1 _id Tree Diagram
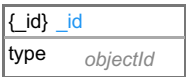
| {_id} _id | |
|---|---|
| type | *objectId* |

### 2.1.2.6.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

## 2.1.2.6.3.2 Field description

### 2.1.2.6.3.2.1 description Tree Diagram

| {ABC} description | |
|---|---|
| type | *string* |

### 2.1.2.6.3.2.2 description properties

| PROPERTY | VALUE |
|---|---|
| Name | description |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Private is a global content provider of adult entertainment to consumers anywhere, at any time and across all distribution platforms and devices. |
| Comments | |

## 2.1.2.6.3.3 Field name

### 2.1.2.6.3.3.1 name Tree Diagram

| {ABC} name | |
|---|---|
| type | *string* |

### 2.1.2.6.3.3.2 name properties

| PROPERTY | VALUE |
|---|---|
| Name | name |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Test2 |
| Comments | |

### 2.1.2.6.3.4 Field slug

### 2.1.2.6.3.4.1 slug Tree Diagram

| {ABC} slug | |
|---|---|
| type | *string* |

### 2.1.2.6.3.4.2 slug properties

| PROPERTY | VALUE |
|---|---|
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | test2 |
| Comments | |

### 2.1.2.6.3.5 Field images

### 2.1.2.6.3.5.1 images Tree Diagram
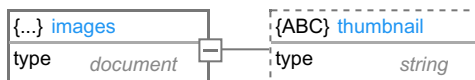


### 2.1.2.6.3.5.2 images Hierarchy

Parent field: studio
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| thumbnail | string | false | | | |

### 2.1.2.6.3.5.3 images properties

| PROPERTY | VALUE |
|---|---|
| Name | images |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.6.3.6 Field thumbnail

### 2.1.2.6.3.6.1 thumbnail Tree Diagram

```
{ABC}  thumbnail
type            string
```

### 2.1.2.6.3.6.2 thumbnail properties

| PROPERTY | VALUE |
|---|---|
| Name | thumbnail |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | https://s3.amazonaws.com/vuli-public-assets/media/5be3e78c2b6cc351bbc7431e/images/thumbnail |
| Comments | |

### 2.1.2.6.3.7 Field _created

### 2.1.2.6.3.7.1 _created Tree Diagram

```
{dt}  _created
type            date
```

### 2.1.2.6.3.7.2 _created properties

| PROPERTY | VALUE |
|---|---|
| Name | _created |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-21T21:06:28.109Z |
| Comments | |

### 2.1.2.6.3.8 Field _modified

### 2.1.2.6.3.8.1 _modified Tree Diagram

| {dt} _modified | |
|---|---|
| type | *date* |

### 2.1.2.6.3.8.2 _modified properties

| PROPERTY | VALUE |
|---|---|
| Name | _modified |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-21T21:06:28.109Z |
| Comments | |

### 2.1.2.6.3.9 Field thumbnail

### 2.1.2.6.3.9.1 thumbnail Tree Diagram

| {ABC} thumbnail | |
|---|---|
| type | *string* |

### 2.1.2.6.3.9.2 thumbnail properties

| PROPERTY | VALUE |
|---|---|
| Name | thumbnail |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.6.4 studio Indexes

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

### 2.1.2.6.5 studio JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "description": {
            "type": "string",
            "sample": "Private is a global content provider of adult entertainment to consumers anywhere, at any time
and across all distribution platforms and devices."
        },
        "name": {
            "type": "string",
            "sample": "Test2"
        },
        "slug": {
            "type": "string",
            "sample": "test2"
        },
        "images": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "thumbnail": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\\-\.]{1}[a-z0-9]+)*\\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$",
                    "sample": "https://s3.amazonaws.com/vuli-public-
assets/media/5be3e78c2b6cc351bbc7431e/images/thumbnail"
                }
            }
        },
        "_created": {
            "type": "string",
            "format": "date-time",
            "sample": "2018-11-21T21:06:28.109Z"
        },
        "_modified": {
            "type": "string",
            "format": "date-time",
            "sample": "2018-11-21T21:06:28.109Z"
        },
        "thumbnail": {
            "type": "string"
        }
    },
    "required": [
        "_id",
        "name",
        "slug"
    ]
}
```

### 2.1.2.6.6 studio JSON data

```
{
    "_id": ObjectId("507f1f77bcf86cd799439011"),
    "description": "Private is a global content provider of adult entertainment to consumers anywhere, at any time
and across all distribution platforms and devices.",
    "name": "Test2",
    "slug": "test2",
    "images": {
        "thumbnail": "https://s3.amazonaws.com/vuli-public-
assets/media/5be3e78c2b6cc351bbc7431e/images/thumbnail"
    },
    "_created": "2018-11-21T21:06:28.109Z",
    "_modified": "2018-11-21T21:06:28.109Z",
    "thumbnail": "Lorem"
}
```

## 2.1.2.7 Collection volume

### 2.1.2.7.1 volume Tree Diagram
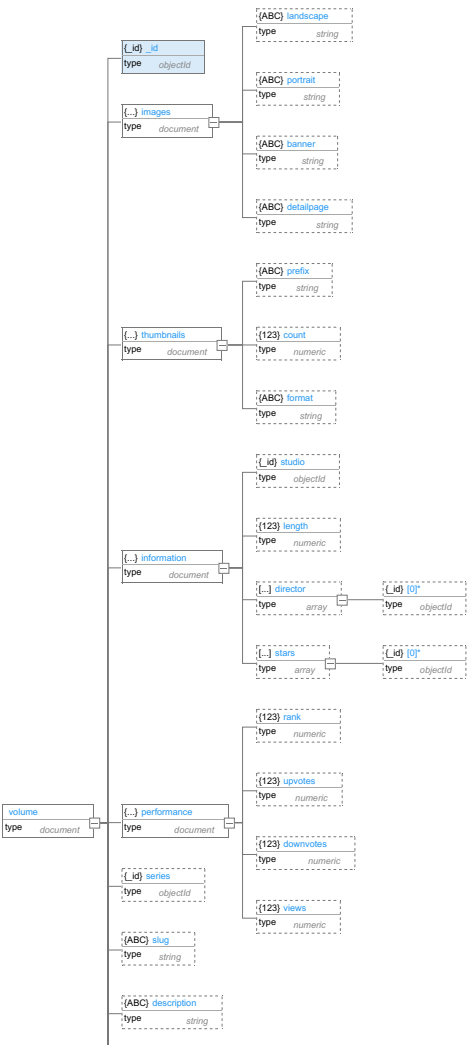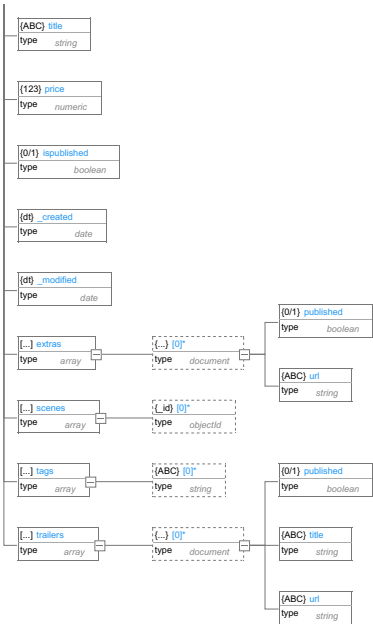
## 2.1.2.7.2 volume Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | volume |
| Id | |
| Description | |
| Database | vuliapi |
| Capped | |
| Size | |
| Max | |
| Storage engine | |
| Validation level | |
| Validation action | |
| Additional properties | |
| Comments | |

## 2.1.2.7.3 volume Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| _id | objectId | true | | | |
| images | document | true | | | |
| landscape | string | false | | | |
| portrait | string | false | | | |
| banner | string | false | | | |
| detailpage | string | false | | | |
| thumbnails | document | true | | | |
| prefix | string | false | | | |
| count | numeric | false | | | |
| format | string | false | | | |
| information | document | true | | | |
| studio | objectId | false | | | |
| length | numeric | false | | | |
| director | array | false | | | |
| [0] | objectId | false | | | |
| stars | array | false | | | |
| [0] | objectId | false | | | |
| performance | document | true | | | |
| rank | numeric | false | | | |
| upvotes | numeric | false | | | |
| downvotes | numeric | false | | | |
| views | numeric | false | | | |
| series | objectId | false | | | |
| slug | string | false | | | |
| description | string | false | | | |
| title | string | true | | | |
| price | numeric | true | | | |
| ispublished | boolean | true | | | |
| _created | date | true | | | |
| _modified | date | true | | | |
| extras | array | true | | | |
| [0] | document | false | | | |
| published | boolean | true | | | |
| url | string | true | | | |
| scenes | array | true | | | |
| [0] | objectId | false | | | |
| tags | array | true | | | |
| [0] | string | false | | | |
| trailers | array | true | | | |
| [0] | document | false | | | |
| published | boolean | true | | | |
| title | string | true | | | |
| url | string | true | | | |

### 2.1.2.7.3.1 Field _id

#### 2.1.2.7.3.1.1 _id Tree Diagram

| {_id} _id | |
|---|---|
| type | objectId |

### 2.1.2.7.3.1.2 _id properties

| PROPERTY | VALUE |
|---|---|
| Name | _id |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | true |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.2 Field images

### 2.1.2.7.3.2.1 images Tree Diagram
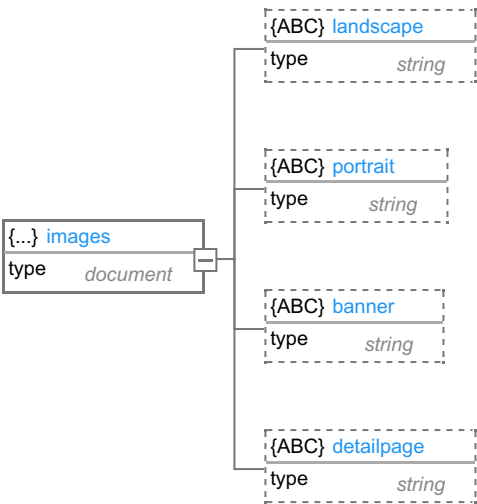


### 2.1.2.7.3.2.2 images Hierarchy

Parent field: volume
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| landscape | string | false | | | |
| portrait | string | false | | | |
| banner | string | false | | | |
| detailpage | string | false | | | |

### 2.1.2.7.3.2.3 images properties

| PROPERTY | VALUE |
|---|---|
| Name | images |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.7.3.3 Field landscape

### 2.1.2.7.3.3.1 landscape Tree Diagram

| {ABC} landscape | |
|---|---|
| type | *string* |

### 2.1.2.7.3.3.2 landscape properties

| PROPERTY | VALUE |
|---|---|
| Name | landscape |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.4 Field portrait

### 2.1.2.7.3.4.1 portrait Tree Diagram

| {ABC} portrait | |
|---|---|
| type | *string* |

### 2.1.2.7.3.4.2 portrait properties

| PROPERTY | VALUE |
|---|---|
| Name | portrait |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:VVwww\.\|https:VVwww\.\|http:VV\|https:VV)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(V.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.5 Field banner

### 2.1.2.7.3.5.1 banner Tree Diagram

| {ABC} banner | |
|---|---|
| type | *string* |

### 2.1.2.7.3.5.2 banner properties

| PROPERTY | VALUE |
|---|---|
| Name | banner |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.\|https:\/\/www\.\|http:\/\/\|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.6 Field detailpage

### 2.1.2.7.3.6.1 detailpage Tree Diagram

| {ABC} detailpage | |
|---|---|
| type | *string* |

### 2.1.2.7.3.6.2 detailpage properties

| PROPERTY | VALUE |
|---|---|
| Name | detailpage |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.7 Field thumbnails

### 2.1.2.7.3.7.1 thumbnails Tree Diagram
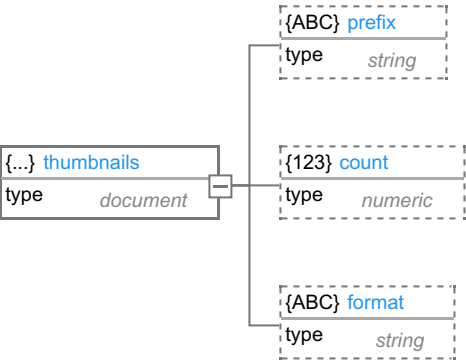


### 2.1.2.7.3.7.2 thumbnails Hierarchy

Parent field: volume
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| prefix | string | false | | | |
| count | numeric | false | | | |
| format | string | false | | | |

### 2.1.2.7.3.7.3 thumbnails properties

| PROPERTY | VALUE |
|---|---|
| Name | thumbnails |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.7.3.8 Field prefix

### 2.1.2.7.3.8.1 prefix Tree Diagram

```
{ABC} prefix
type        string
```

### 2.1.2.7.3.8.2 prefix properties

| PROPERTY | VALUE |
|---|---|
| Name | prefix |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.9 Field count

### 2.1.2.7.3.9.1 count Tree Diagram

```
{123} count
type        numeric
```

### 2.1.2.7.3.9.2 count properties

| PROPERTY | VALUE |
|---|---|
| Name | count |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.7.3.10 Field format

### 2.1.2.7.3.10.1 format Tree Diagram

```
{ABC} format
type        string
```

### 2.1.2.7.3.10.2 format properties

| PROPERTY | VALUE |
|---|---|
| Name | format |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.7.3.11 Field information

### 2.1.2.7.3.11.1 information Tree Diagram
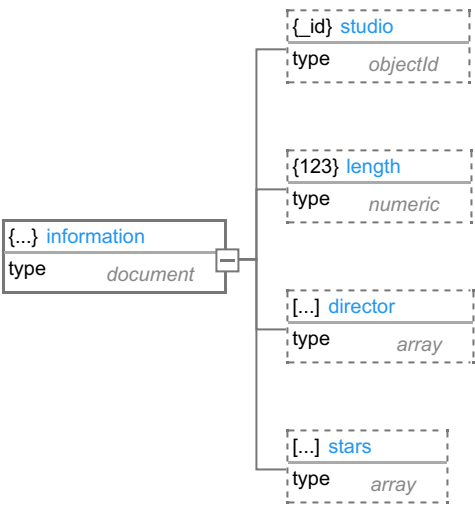


### 2.1.2.7.3.11.2 information Hierarchy

Parent field: volume
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| studio | objectId | false | fk | | |
| length | numeric | false | | | |
| director | array | false | | | |
| stars | array | false | | | |

### 2.1.2.7.3.11.3 information properties

| PROPERTY | VALUE |
|---|---|
| Name | information |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.7.3.12 Field studio

### 2.1.2.7.3.12.1 studio Tree Diagram

| {_id} studio | |
|---|---|
| type | *objectId* |

### 2.1.2.7.3.12.2 studio properties

| PROPERTY | VALUE |
|---|---|
| Name | studio |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | studio |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.13 Field length

### 2.1.2.7.3.13.1 length Tree Diagram

| {123} length | |
|---|---|
| type | *numeric* |

### 2.1.2.7.3.13.2 length properties

| PROPERTY | VALUE |
| --- | --- |
| Name | length |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.7.3.14 Field director

### 2.1.2.7.3.14.1 director Tree Diagram

```
[...] director              {_id} [0]*
type          array         type          objectId
```
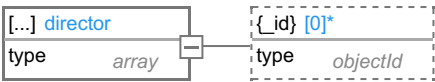
### 2.1.2.7.3.14.2 director Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.7.3.14.3 director properties

| PROPERTY | VALUE |
|---|---|
| Name | director |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.7.3.15 Field [0]

### 2.1.2.7.3.15.1 [0] Tree Diagram

| {_id} undefined | |
|---|---|
| type | *objectId* |

### 2.1.2.7.3.15.2 [0] properties

| PROPERTY | VALUE |
|---|---|
| Name | |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.16 Field stars

### 2.1.2.7.3.16.1 stars Tree Diagram

```
[...] stars          {_id} [0]*
type      array  ─   type    objectId
```

### 2.1.2.7.3.16.2 stars Hierarchy

Parent field: information
Child field(s):

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

### 2.1.2.7.3.16.3 stars properties

| PROPERTY | VALUE |
|----------|-------|
| Name | stars |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.7.3.17 Field New Field

### 2.1.2.7.3.17.1 New Field Tree Diagram

```
{_id} New Field
type      objectId
```

### 2.1.2.7.3.17.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | star |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.18 Field performance

### 2.1.2.7.3.18.1 performance Tree Diagram
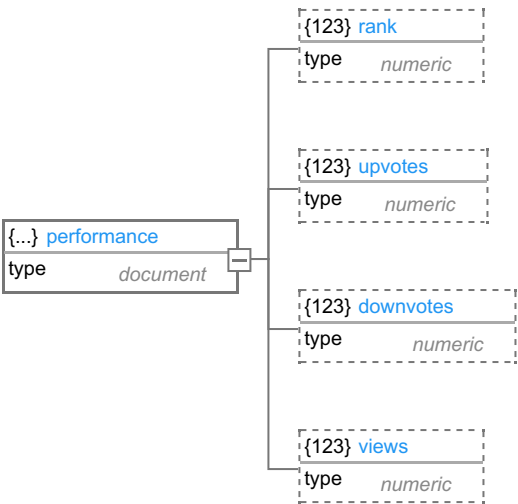


### 2.1.2.7.3.18.2 performance Hierarchy

Parent field: volume
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| rank | numeric | false | | | |
| upvotes | numeric | false | | | |
| downvotes | numeric | false | | | |
| views | numeric | false | | | |

### 2.1.2.7.3.18.3 performance properties

| PROPERTY | VALUE |
|---|---|
| Name | performance |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.7.3.19 Field rank

### 2.1.2.7.3.19.1 rank Tree Diagram

| {123} rank | |
|---|---|
| type | *numeric* |

### 2.1.2.7.3.19.2 rank properties

| PROPERTY | VALUE |
|---|---|
| Name | rank |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

## 2.1.2.7.3.20 Field upvotes

### 2.1.2.7.3.20.1 upvotes Tree Diagram

```
{123} upvotes
type        numeric
```

### 2.1.2.7.3.20.2 upvotes properties

| PROPERTY | VALUE |
|---|---|
| Name | upvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.7.3.21 Field downvotes

### 2.1.2.7.3.21.1 downvotes Tree Diagram

```
{123} downvotes
type        numeric
```

### 2.1.2.7.3.21.2 downvotes properties

| PROPERTY | VALUE |
| --- | --- |
| Name | downvotes |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.7.3.22 Field views

### 2.1.2.7.3.22.1 views Tree Diagram

| {123} views | |
| --- | --- |
| type | *numeric* |

### 2.1.2.7.3.22.2 views properties

| PROPERTY | VALUE |
|---|---|
| Name | views |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 0 |
| Comments | |

### 2.1.2.7.3.23 Field series

### 2.1.2.7.3.23.1 series Tree Diagram

| {_id} series | |
|---|---|
| type | *objectId* |

### 2.1.2.7.3.23.2 series properties

| PROPERTY | VALUE |
|---|---|
| Name | series |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | series |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.24 Field slug

### 2.1.2.7.3.24.1 slug Tree Diagram

| {ABC} slug | |
|---|---|
| type | *string* |

### 2.1.2.7.3.24.2 slug properties

| PROPERTY | VALUE |
|---|---|
| Name | slug |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | test |
| Comments | |

### 2.1.2.7.3.25 Field description

### 2.1.2.7.3.25.1 description Tree Diagram

| {ABC} description | |
|---|---|
| type | *string* |

### 2.1.2.7.3.25.2 description properties

| PROPERTY | VALUE |
|---|---|
| Name | description |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Test - Apolonia, Lovenia Lux, Rebecca Volpetti, Haley Hill, Scarlet Scott and Cherry Kiss have yet to explore the pleasures of anal and enjoy it for the first time in this Private Specials feature series. |
| Comments | |

### 2.1.2.7.3.26 Field title

### 2.1.2.7.3.26.1 title Tree Diagram

{ABC} title
type      string

### 2.1.2.7.3.26.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | Test Private Specials 161: Anal Innocence |
| Comments | |

### 2.1.2.7.3.27 Field price

#### 2.1.2.7.3.27.1 price Tree Diagram

```
{123} price
type        numeric
```

#### 2.1.2.7.3.27.2 price properties

| PROPERTY | VALUE |
|---|---|
| Name | price |
| Id | |
| Type | numeric |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Subtype | double |
| Unit | |
| Min value | |
| Excl min | false |
| Max value | |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | 19.99 |
| Comments | |

### 2.1.2.7.3.28 Field ispublished

#### 2.1.2.7.3.28.1 ispublished Tree Diagram

```
{0/1} ispublished
type        boolean
```

### 2.1.2.7.3.28.2 ispublished properties

| PROPERTY | VALUE |
|---|---|
| Name | ispublished |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.7.3.29 Field _created

### 2.1.2.7.3.29.1 _created Tree Diagram

| {dt} _created | |
|---|---|
| type | *date* |

### 2.1.2.7.3.29.2 _created properties

| PROPERTY | VALUE |
|---|---|
| Name | _created |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-22T01:55:53.243Z |
| Comments | |

### 2.1.2.7.3.30 Field _modified

### 2.1.2.7.3.30.1 _modified Tree Diagram

| {dt} _modified | |
|---|---|
| type | *date* |

### 2.1.2.7.3.30.2 _modified properties

| PROPERTY | VALUE |
|---|---|
| Name | _modified |
| Id | |
| Type | date |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | 2018-11-22T01:55:53.243Z |
| Comments | |

### 2.1.2.7.3.31 Field extras

### 2.1.2.7.3.31.1 extras Tree Diagram
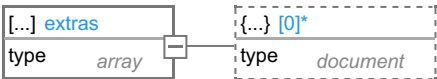


### 2.1.2.7.3.31.2 extras Hierarchy

Parent field: volume
Child field(s):

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

### 2.1.2.7.3.31.3 extras properties

| PROPERTY | VALUE |
|---|---|
| Name | extras |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.7.3.32 Field New Field

## 2.1.2.7.3.32.1 New Field Tree Diagram

```
                          ┌──────────────────────────┐
                          │ {0/1}  published         │
                          ├──────────────────────────┤
                          │ type          boolean    │
┌──────────────────────┐  └──────────────────────────┘
│ {...}  New Field     │─┐
├──────────────────────┤ ├─
│ type      document   │ │ ┌──────────────────────────┐
└──────────────────────┘ └─│ {ABC}  url               │
                          ├──────────────────────────┤
                          │ type          string     │
                          └──────────────────────────┘
```
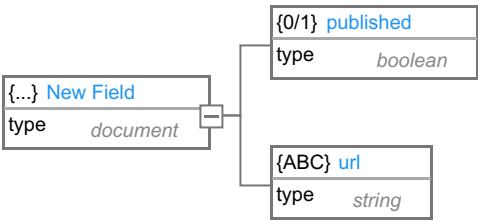
## 2.1.2.7.3.32.2 New Field Hierarchy

Parent field: extras
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| published | boolean | true | | | |
| url | string | true | | | |

## 2.1.2.7.3.32.3 New Field properties

| PROPERTY | VALUE |
|----------|-------|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

## 2.1.2.7.3.33 Field published

## 2.1.2.7.3.33.1 published Tree Diagram

```
┌──────────────────────────┐
│ {0/1}  published         │
├──────────────────────────┤
│ type          boolean    │
└──────────────────────────┘
```
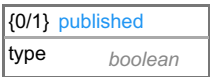
### 2.1.2.7.3.33.2 published properties

| PROPERTY | VALUE |
| --- | --- |
| Name | published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | true |
| Comments | |

### 2.1.2.7.3.34 Field url

### 2.1.2.7.3.34.1 url Tree Diagram

```
{ABC} url
type      string
```

### 2.1.2.7.3.34.2 url properties

| PROPERTY | VALUE |
| --- | --- |
| Name | url |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | http://my.service.com |
| Comments | |

### 2.1.2.7.3.35 Field scenes

### 2.1.2.7.3.35.1 scenes Tree Diagram

| [...] scenes | | {_id} [0]* |
|---|---|---|
| type | *array* | type | *objectId* |
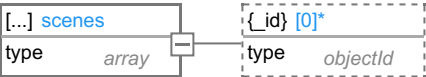
### 2.1.2.7.3.35.2 scenes Hierarchy

Parent field: volume
Child field(s):

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

### 2.1.2.7.3.35.3 scenes properties

| PROPERTY | VALUE |
|---|---|
| Name | scenes |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

## 2.1.2.7.3.36 Field [0]

### 2.1.2.7.3.36.1 [0] Tree Diagram

| {_id} undefined |
|---|
| type | *objectId* |
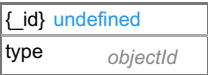
### 2.1.2.7.3.36.2 [0] properties

| PROPERTY | VALUE |
|---|---|
| Name | |
| Id | |
| Type | objectId |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | scene |
| Foreign field | _id |
| Relationship type | Foreign Key |
| Default | |
| Sample | |
| Comments | |

### 2.1.2.7.3.37 Field tags

### 2.1.2.7.3.37.1 tags Tree Diagram
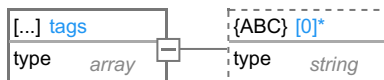


### 2.1.2.7.3.37.2 tags Hierarchy

Parent field: volume
Child field(s):

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

### 2.1.2.7.3.37.3 tags properties

| PROPERTY | VALUE |
|---|---|
| Name | tags |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.7.3.38 Field New Field

### 2.1.2.7.3.38.1 New Field Tree Diagram

```
{ABC} New Field
type              string
```

### 2.1.2.7.3.38.2 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | false |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | 507f1f77bcf86cd799439011 |
| Comments | |

## 2.1.2.7.3.39 Field trailers

### 2.1.2.7.3.39.1 trailers Tree Diagram

```
[...] trailers                {...} [0]*
type          array           type        document
```
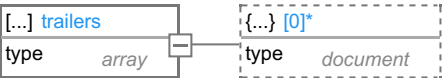
### 2.1.2.7.3.39.2 trailers Hierarchy

Parent field: volume
Child field(s):

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

### 2.1.2.7.3.39.3 trailers properties

| PROPERTY | VALUE |
|---|---|
| Name | trailers |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | |
| Max items | |
| Unique items | false |
| Additional items | true |
| Comments | |

### 2.1.2.7.3.40 Field New Field

### 2.1.2.7.3.40.1 New Field Tree Diagram
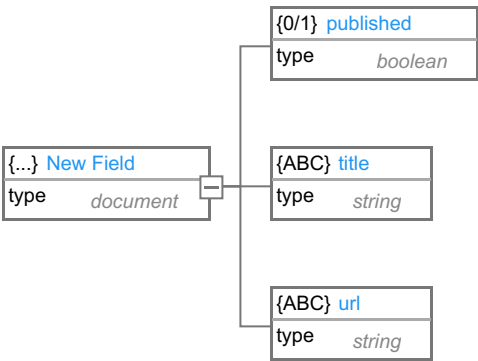


### 2.1.2.7.3.40.2 New Field Hierarchy

Parent field: trailers
Child field(s):

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| published | boolean | true | | | |
| title | string | true | | | |
| url | string | true | | | |

### 2.1.2.7.3.40.3 New Field properties

| PROPERTY | VALUE |
|---|---|
| Name | New Field |
| Id | |
| Type | document |
| Description | |
| Dependencies | |
| Required | |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| DBRef | |
| Min Properties | |
| Max Properties | |
| Additional properties | false |
| Comments | |

### 2.1.2.7.3.41 Field published

### 2.1.2.7.3.41.1 published Tree Diagram

| {0/1} published | |
|---|---|
| type | *boolean* |

### 2.1.2.7.3.41.2 published properties

| PROPERTY | VALUE |
|---|---|
| Name | published |
| Id | |
| Type | boolean |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Sample | false |
| Comments | |

### 2.1.2.7.3.42 Field title

### 2.1.2.7.3.42.1 title Tree Diagram

| {ABC} title | |
|---|---|
| type | *string* |

### 2.1.2.7.3.42.2 title properties

| PROPERTY | VALUE |
|---|---|
| Name | title |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | |
| Format | |
| Enum | |
| Sample | |
| Comments | |

## 2.1.2.7.3.43 Field url

### 2.1.2.7.3.43.1 url Tree Diagram

| {ABC} url | |
|---|---|
| type | string |

### 2.1.2.7.3.43.2 url properties

| PROPERTY | VALUE |
|---|---|
| Name | url |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | |
| Max length | |
| Pattern | ^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]{2,5}(:[0-9]{1,5})?(\/.*)?$ |
| Format | |
| Enum | |
| Sample | |
| Comments | |

## 2.1.2.7.4 volume Indexes

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

### 2.1.2.7.5 volume JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "_id": {
            "type": "string",
            "primaryKey": true,
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "images": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "landscape": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "portrait": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "banner": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
                },
                "detailpage": {
                    "type": "string",
                    "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-z]
{2,5}(:[0-9]{1,5})?(\/.*)?$"
                }
            }
        },
        "thumbnails": {
            "type": "object",
            "additionalProperties": false,
            "properties": {
                "prefix": {
                    "type": "string"
```

```
      },
      "count": {
        "type": "number",
        "sample": 0
      },
      "format": {
        "type": "string"
      }
    }
  },
  "information": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "studio": {
        "type": "string",
        "pattern": "^[a-fA-F0-9]{24}$"
      },
      "length": {
        "type": "number",
        "sample": 0
      },
      "director": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      },
      "stars": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "string",
          "arrayItem": true,
          "pattern": "^[a-fA-F0-9]{24}$"
        }
      }
    }
  },
  "performance": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "rank": {
        "type": "number",
        "sample": 0
      },
      "upvotes": {
        "type": "number",
        "sample": 0
      },
      "downvotes": {
        "type": "number",
        "sample": 0
```

```
            },
            "views": {
              "type": "number",
              "sample": 0
            }
          }
        }
      },
      "series": {
        "type": "string",
        "pattern": "^[a-fA-F0-9]{24}$"
      },
      "slug": {
        "type": "string",
        "sample": "test"
      },
      "description": {
        "type": "string",
        "sample": "Test - Apolonia, Lovenia Lux, Rebecca Volpetti, Haley Hill, Scarlet Scott and Cherry Kiss have
yet to explore the pleasures of anal and enjoy it for the first time in this Private Specials feature series."
      },
      "title": {
        "type": "string",
        "sample": "Test Private Specials 161: Anal Innocence"
      },
      "price": {
        "type": "number",
        "mode": "double",
        "sample": 19.99
      },
      "ispublished": {
        "type": "boolean",
        "sample": false
      },
      "_created": {
        "type": "string",
        "format": "date-time",
        "sample": "2018-11-22T01:55:53.243Z"
      },
      "_modified": {
        "type": "string",
        "format": "date-time",
        "sample": "2018-11-22T01:55:53.243Z"
      },
      "extras": {
        "type": "array",
        "additionalItems": true,
        "uniqueItems": false,
        "items": {
          "type": "object",
          "additionalProperties": false,
          "arrayItem": true,
          "properties": {
            "published": {
              "type": "boolean",
              "sample": false
            },
            "url": {
              "type": "string",
              "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\\-\.]{1}[a-z0-9]+)*\\.[a-
```

```
z]{2,5}(:[0-9]{1,5})?(\/.*)?$",
                "sample": "http://my.service.com"
            }
        },
        "required": [
            "published",
            "url"
        ]
    }
},
"scenes": {
    "type": "array",
    "additionalItems": true,
    "uniqueItems": false,
    "items": {
        "type": "string",
        "arrayItem": true,
        "pattern": "^[a-fA-F0-9]{24}$"
    }
},
"tags": {
    "type": "array",
    "additionalItems": true,
    "uniqueItems": false,
    "items": {
        "type": "string",
        "arrayItem": true,
        "sample": "507f1f77bcf86cd799439011"
    }
},
"trailers": {
    "type": "array",
    "additionalItems": true,
    "uniqueItems": false,
    "items": {
        "type": "object",
        "additionalProperties": false,
        "arrayItem": true,
        "properties": {
            "published": {
                "type": "boolean",
                "sample": false
            },
            "title": {
                "type": "string"
            },
            "url": {
                "type": "string",
                "pattern": "^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+([\-\.]{1}[a-z0-9]+)*\.[a-
z]{2,5}(:[0-9]{1,5})?(\/.*)?$"
            }
        },
        "required": [
            "published",
            "title",
            "url"
        ]
    }
}
}
```

```
    },
    "required": [
      "_id",
      "images",
      "thumbnails",
      "information",
      "performance",
      "title",
      "price",
      "ispublished",
      "_created",
      "_modified",
      "extras",
      "scenes",
      "tags",
      "trailers"
    ]
}
```

### 2.1.2.7.6 volume JSON data

```
{
  "_id": ObjectId("507f1f77bcf86cd799439011"),
  "images": {
    "landscape": "Lorem",
    "portrait": "Lorem",
    "banner": "Lorem",
    "detailpage": "Lorem"
  },
  "thumbnails": {
    "prefix": "Lorem",
    "count": 0,
    "format": "Lorem"
  },
  "information": {
    "studio": ObjectId("507f1f77bcf86cd799439011"),
    "length": 0,
    "director": [
      ObjectId("507f1f77bcf86cd799439011")
    ],
    "stars": [
      ObjectId("507f1f77bcf86cd799439011")
    ]
  },
  "performance": {
    "rank": 0,
    "upvotes": 0,
    "downvotes": 0,
    "views": 0
  },
  "series": ObjectId("507f1f77bcf86cd799439011"),
  "slug": "test",
  "description": "Test - Apolonia, Lovenia Lux, Rebecca Volpetti, Haley Hill, Scarlet Scott and Cherry Kiss have
 yet to explore the pleasures of anal and enjoy it for the first time in this Private Specials feature series.",
```

```
    "title": "Test Private Specials 161: Anal Innocence",
    "price": 19.99,
    "ispublished": false,
    "_created": "2018-11-22T01:55:53.243Z",
    "_modified": "2018-11-22T01:55:53.243Z",
    "extras": [
        {
            "published": true,
            "url": "http://my.service.com"
        }
    ],
    "scenes": [
        ObjectId("507f1f77bcf86cd799439011")
    ],
    "tags": [
        "507f1f77bcf86cd799439011"
    ],
    "trailers": [
        {
            "published": false,
            "title": "Lorem",
            "url": "Lorem"
        }
    ]
}
```

## 3. RELATIONSHIPS

### 3.1 Relationship fk movie._id to customer.disliked.movies.[0]

#### 3.1.1 fk movie._id to customer.disliked.movies.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|--------------|--------------|
| movie        | _id          |

| CHILD TABLE | CHILD FIELD |
|-------------|-------------|
| customer    | disliked.movies.'New Field' |
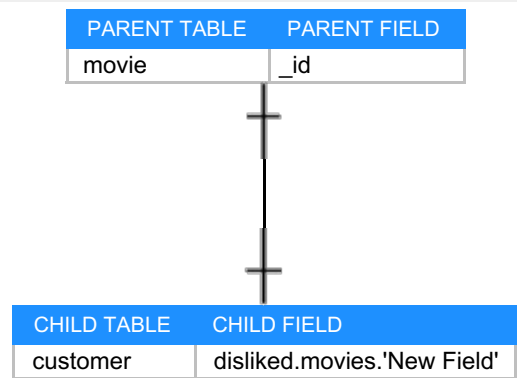
### 3.1.2 fk movie._id to customer.disliked.movies.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk movie._id to customer.disliked.movies.[0] |
| Description | |
| Parent Collection | movie |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.2 Relationship fk movie._id to customer.liked.movies.[0]

### 3.2.1 fk movie._id to customer.liked.movies.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| movie | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | liked.movies.'New Field' |
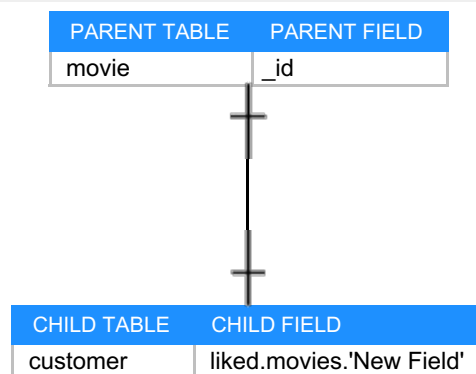
### 3.2.2 fk movie._id to customer.liked.movies.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk movie._id to customer.liked.movies.[0] |
| Description | |
| Parent Collection | movie |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.3 Relationship fk movie._id to customer.purchased.movies.[0]

### 3.3.1 fk movie._id to customer.purchased.movies.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| movie | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | purchased.movies.'New Field' |
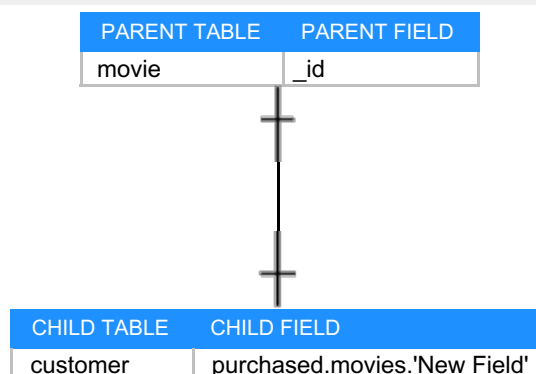
### 3.3.2 fk movie._id to customer.purchased.movies.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk movie._id to customer.purchased.movies.[0] |
| Description | |
| Parent Collection | movie |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.4 Relationship fk movie._id to customer.wishlist.movies.[0]

### 3.4.1 fk movie._id to customer.wishlist.movies.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| movie | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | wishlist.movies.'New Field' |
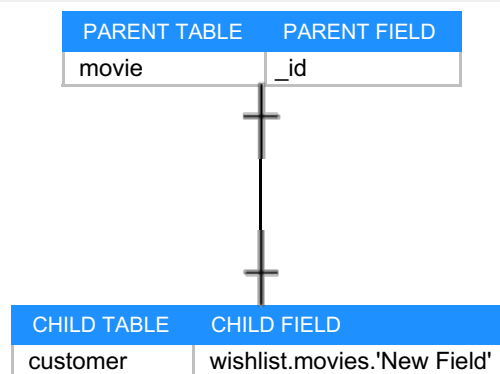
### 3.4.2 fk movie._id to customer.wishlist.movies.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk movie._id to customer.wishlist.movies.[0] |
| Description | |
| Parent Collection | movie |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.5 Relationship fk scene._id to customer.disliked.scenes.[0]

### 3.5.1 fk scene._id to customer.disliked.scenes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| scene | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | disliked.scenes.'New Field' |
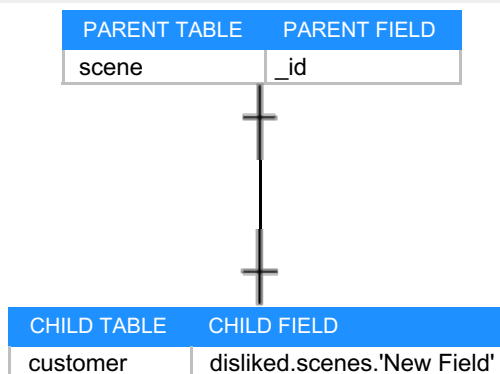
### 3.5.2 fk scene._id to customer.disliked.scenes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk scene._id to customer.disliked.scenes.[0] |
| Description | |
| Parent Collection | scene |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.6 Relationship fk scene._id to customer.liked.scenes.[0]

### 3.6.1 fk scene._id to customer.liked.scenes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| scene | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | liked.scenes.'New Field' |
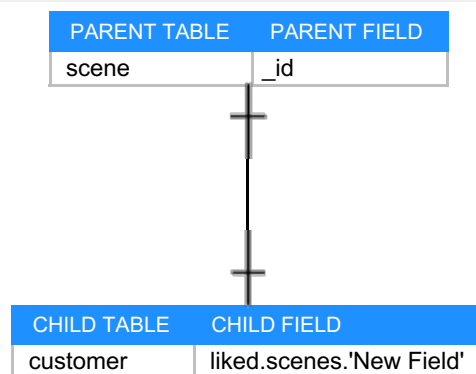
### 3.6.2 fk scene._id to customer.liked.scenes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk scene._id to customer.liked.scenes.[0] |
| Description | |
| Parent Collection | scene |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.7 Relationship fk scene._id to customer.purchased.scenes.[0]

### 3.7.1 fk scene._id to customer.purchased.scenes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| scene | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | purchased.scenes.'New Field' |
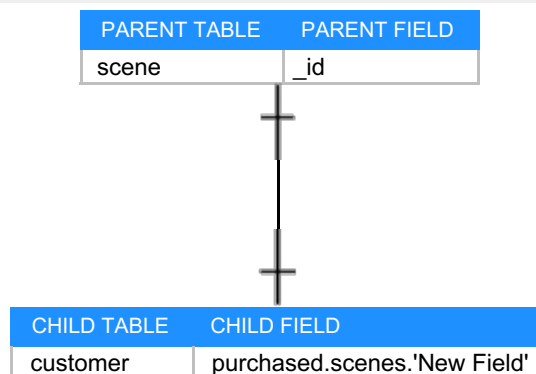
### 3.7.2 fk scene._id to customer.purchased.scenes.[0] Properties

| PROPERTY | VALUE |
| --- | --- |
| Name | fk scene._id to customer.purchased.scenes.[0] |
| Description | |
| Parent Collection | scene |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.8 Relationship fk scene._id to customer.wishlist.scenes.[0]

### 3.8.1 fk scene._id to customer.wishlist.scenes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
| --- | --- |
| scene | _id |

| CHILD TABLE | CHILD FIELD |
| --- | --- |
| customer | wishlist.scenes.'New Field' |
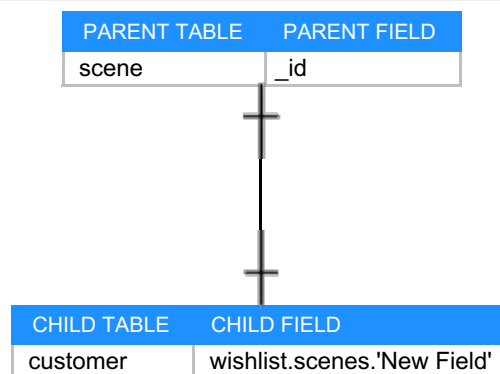
### 3.8.2 fk scene._id to customer.wishlist.scenes.[0] Properties

| PROPERTY | VALUE |
| --- | --- |
| Name | fk scene._id to customer.wishlist.scenes.[0] |
| Description | |
| Parent Collection | scene |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.9 Relationship fk scene._id to volume.scenes.[0]

### 3.9.1 fk scene._id to volume.scenes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
| --- | --- |
| scene | _id |

| CHILD TABLE | CHILD FIELD |
| --- | --- |
| volume | scenes.[0] |
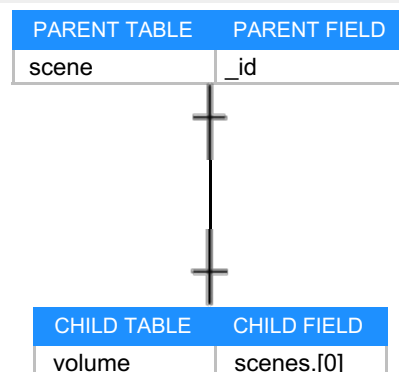
### 3.9.2 fk scene._id to volume.scenes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk scene._id to volume.scenes.[0] |
| Description | |
| Parent Collection | scene |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | volume |
| Child field | |
| Child Cardinality | 1 |
| Comments | |

## 3.10 Relationship fk series._id to scene.series

### 3.10.1 fk series._id to scene.series Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| series | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| scene | series |
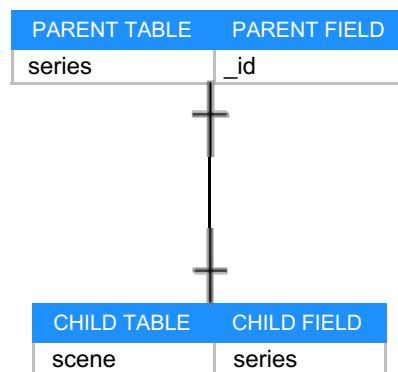
### 3.10.2 fk series._id to scene.series Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk series._id to scene.series |
| Description | |
| Parent Collection | series |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | scene |
| Child field | series |
| Child Cardinality | 1 |
| Comments | |

## 3.11 Relationship fk series._id to volume.series

### 3.11.1 fk series._id to volume.series Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| series | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| volume | series |
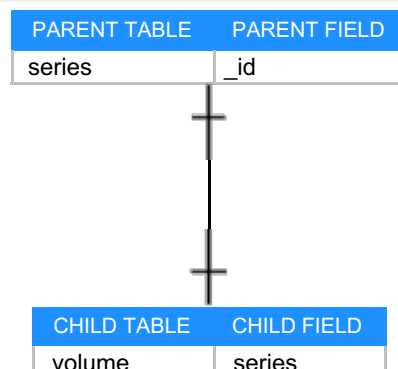
### 3.11.2 fk series._id to volume.series Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk series._id to volume.series |
| Description | |
| Parent Collection | series |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | volume |
| Child field | series |
| Child Cardinality | 1 |
| Comments | |

## 3.12 Relationship fk star._id to customer.disliked.stars.[0]

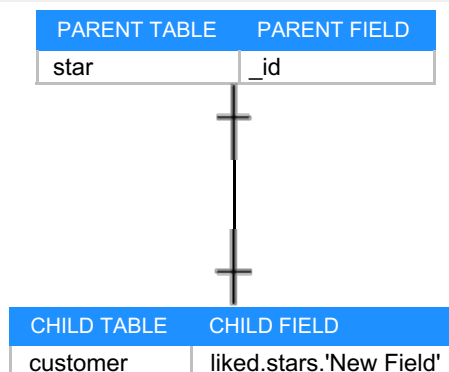### 3.12.1 fk star._id to customer.disliked.stars.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | disliked.stars.'New Field' |
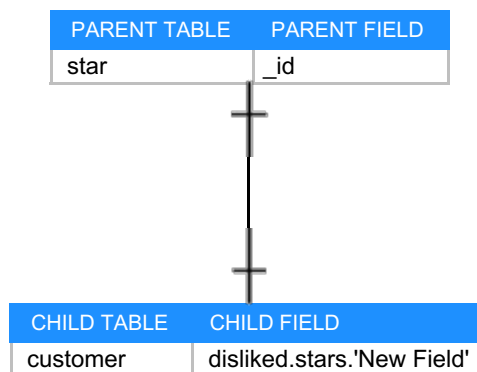
### 3.12.2 fk star._id to customer.disliked.stars.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to customer.disliked.stars.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.13 Relationship fk star._id to customer.liked.stars.[0]

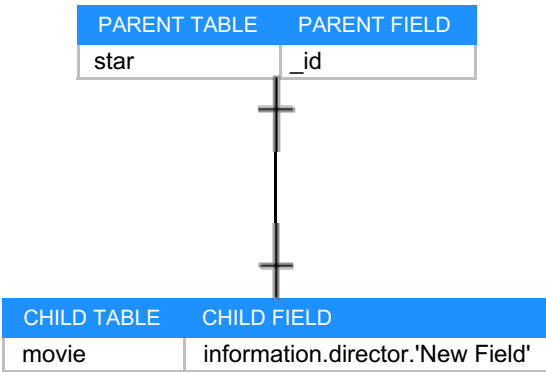### 3.13.1 fk star._id to customer.liked.stars.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | liked.stars.'New Field' |

### 3.13.2 fk star._id to customer.liked.stars.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to customer.liked.stars.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.14 Relationship fk star._id to movie.information.director.[0]
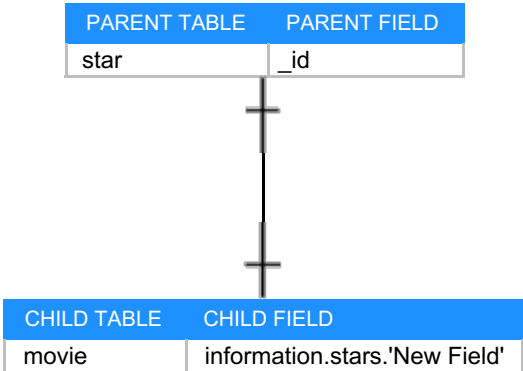
### 3.14.1 fk star._id to movie.information.director.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| movie | information.director.'New Field' |

### 3.14.2 fk star._id to movie.information.director.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to movie.information.director.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | movie |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.15 Relationship fk star._id to movie.information.stars.[0]

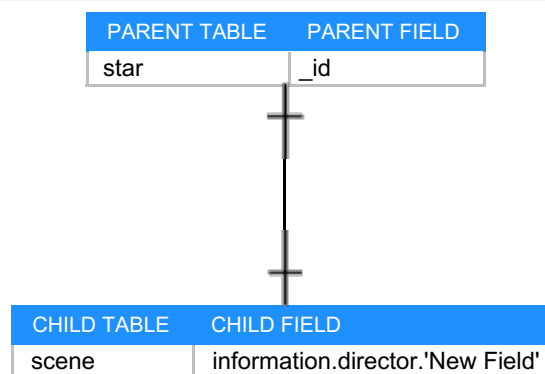### 3.15.1 fk star._id to movie.information.stars.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| movie | information.stars.'New Field' |

### 3.15.2 fk star._id to movie.information.stars.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to movie.information.stars.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | movie |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.16 Relationship fk star._id to scene.information.director.[0]

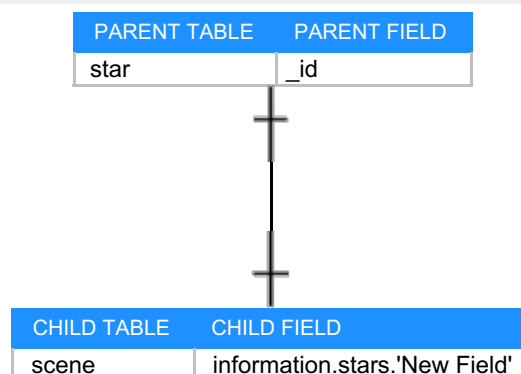### 3.16.1 fk star._id to scene.information.director.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| scene | information.director.'New Field' |

### 3.16.2 fk star._id to scene.information.director.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to scene.information.director.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | scene |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.17 Relationship fk star._id to scene.information.stars.[0]

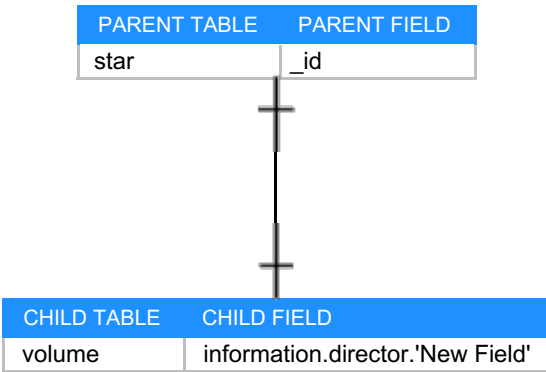### 3.17.1 fk star._id to scene.information.stars.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| scene | information.stars.'New Field' |

### 3.17.2 fk star._id to scene.information.stars.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to scene.information.stars.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | scene |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.18 Relationship fk star._id to volume.information.director.[0]

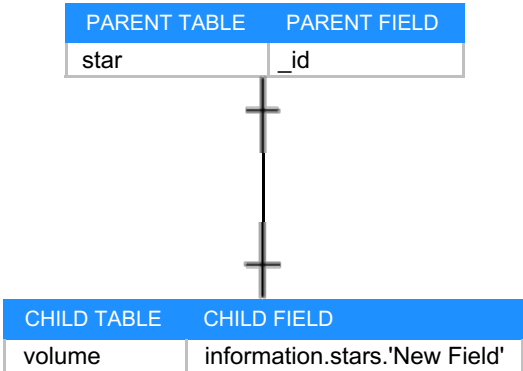### 3.18.1 fk star._id to volume.information.director.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| volume | information.director.'New Field' |

### 3.18.2 fk star._id to volume.information.director.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to volume.information.director.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | volume |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.19 Relationship fk star._id to volume.information.stars.[0]

### 3.19.1 fk star._id to volume.information.stars.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| star | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| volume | information.stars.'New Field' |

### 3.19.2 fk star._id to volume.information.stars.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk star._id to volume.information.stars.[0] |
| Description | |
| Parent Collection | star |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | volume |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.20 Relationship fk studio._id to movie.information.studio
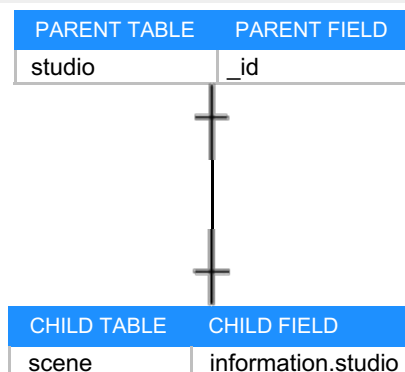
### 3.20.1 fk studio._id to movie.information.studio Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| studio | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| movie | information.studio |
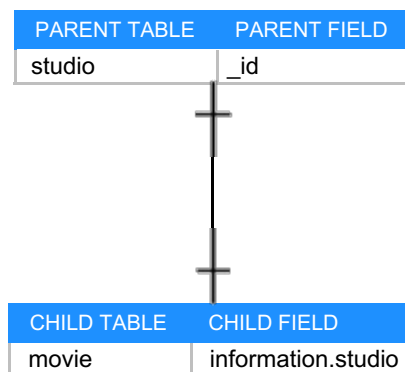
### 3.20.2 fk studio._id to movie.information.studio Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk studio._id to movie.information.studio |
| Description | |
| Parent Collection | studio |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | movie |
| Child field | studio |
| Child Cardinality | 1 |
| Comments | |

## 3.21 Relationship fk studio._id to scene.information.studio
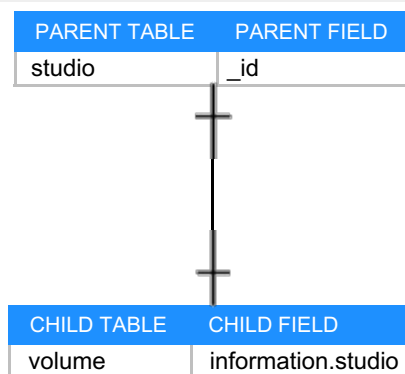
### 3.21.1 fk studio._id to scene.information.studio Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| studio | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| scene | information.studio |

### 3.21.2 fk studio._id to scene.information.studio Properties

| PROPERTY | VALUE |
| --- | --- |
| Name | fk studio._id to scene.information.studio |
| Description | |
| Parent Collection | studio |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | scene |
| Child field | studio |
| Child Cardinality | 1 |
| Comments | |

## 3.22 Relationship fk studio._id to volume.information.studio

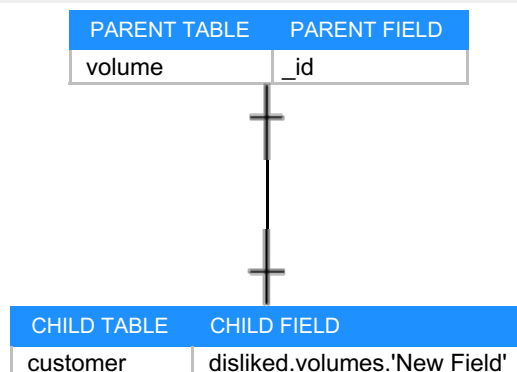### 3.22.1 fk studio._id to volume.information.studio Diagram

| PARENT TABLE | PARENT FIELD |
| --- | --- |
| studio | _id |

| CHILD TABLE | CHILD FIELD |
| --- | --- |
| volume | information.studio |

### 3.22.2 fk studio._id to volume.information.studio Properties

| PROPERTY | VALUE |
| --- | --- |
| Name | fk studio._id to volume.information.studio |
| Description | |
| Parent Collection | studio |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | volume |
| Child field | studio |
| Child Cardinality | 1 |
| Comments | |

## 3.23 Relationship fk volume._id to customer.disliked.volumes.[0]

### 3.23.1 fk volume._id to customer.disliked.volumes.[0] Diagram
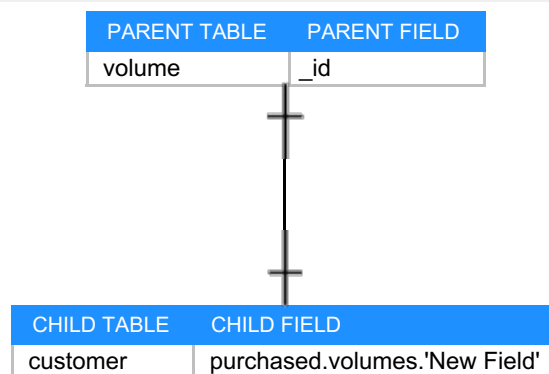
| PARENT TABLE | PARENT FIELD |
| --- | --- |
| volume | _id |

| CHILD TABLE | CHILD FIELD |
| --- | --- |
| customer | disliked.volumes.'New Field' |

### 3.23.2 fk volume._id to customer.disliked.volumes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk volume._id to customer.disliked.volumes.[0] |
| Description | |
| Parent Collection | volume |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.24 Relationship fk volume._id to customer.purchased.volumes.[0]

### 3.24.1 fk volume._id to customer.purchased.volumes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| volume | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | purchased.volumes.'New Field' |

### 3.24.2 fk volume._id to customer.purchased.volumes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk volume._id to customer.purchased.volumes.[0] |
| Description | |
| Parent Collection | volume |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.25 Relationship fk volume._id to customer.wishlist.volumes.[0]

### 3.25.1 fk volume._id to customer.wishlist.volumes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| volume | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| customer | wishlist.volumes.'New Field' |
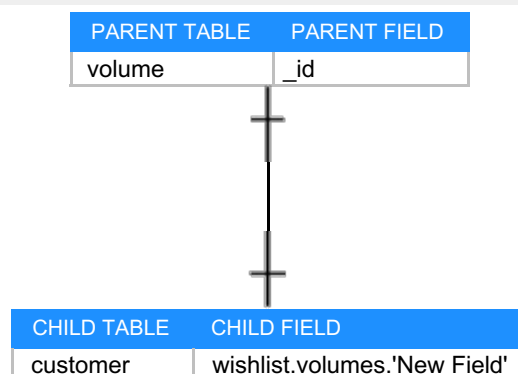
### 3.25.2 fk volume._id to customer.wishlist.volumes.[0] Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk volume._id to customer.wishlist.volumes.[0] |
| Description | |
| Parent Collection | volume |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | customer |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |

## 3.26 Relationship fk volume._id to scene.volume

### 3.26.1 fk volume._id to scene.volume Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| volume | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| scene | volume |
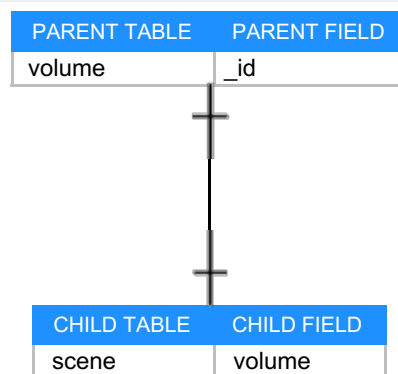
### 3.26.2 fk volume._id to scene.volume Properties

| PROPERTY | VALUE |
|---|---|
| Name | fk volume._id to scene.volume |
| Description | |
| Parent Collection | volume |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | scene |
| Child field | volume |
| Child Cardinality | 1 |
| Comments | |

## 3.27 Relationship fk volume._id to series.volumes.[0]

### 3.27.1 fk volume._id to series.volumes.[0] Diagram

| PARENT TABLE | PARENT FIELD |
|---|---|
| volume | _id |

| CHILD TABLE | CHILD FIELD |
|---|---|
| series | volumes.'New Field' |
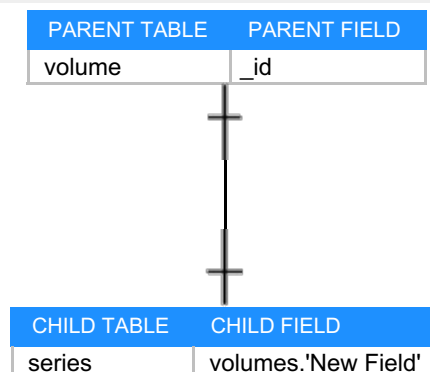
### 3.27.2 fk volume._id to series.volumes.[0] Properties

| PROPERTY | VALUE |
| --- | --- |
| Name | fk volume._id to series.volumes.[0] |
| Description | |
| Parent Collection | volume |
| Parent field | _id |
| Parent Cardinality | 1 |
| Child Collection | series |
| Child field | New Field |
| Child Cardinality | 1 |
| Comments | |