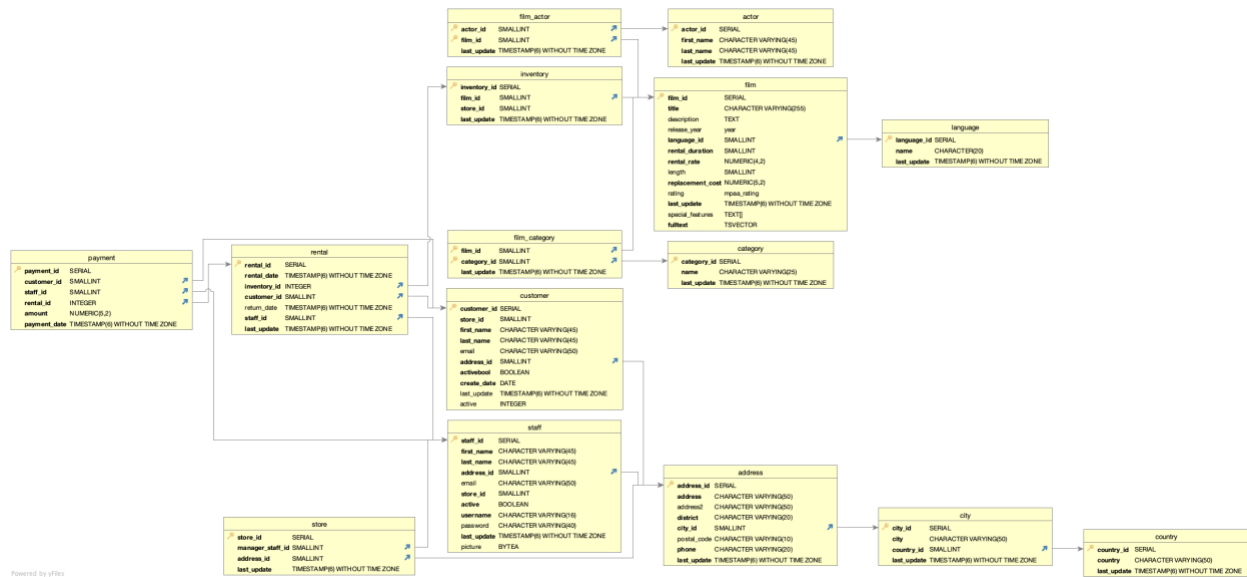# DATA DICTIONARY

Rockbuster Stealth

## Table of Contents

# 1. Entity Relationship Diagram



Powered by yFiles

# 2. Fact table

## 2.1 rental

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | rental_id | SERIAL | Unique identifier for each rental transaction | payment | |
| | rental_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of rental | | |
| 🔑 | inventory_id | INTEGER | Unique identifier for inventory item | | inventory |
| 🔑 | customer_id | SMALLINT | Unique identifier for customer | | customer |
| | return_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of rental return | | |

🔑 = Primary key   🔑 = Foreign key

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | staff_id | SMALLINT | Unique identifier for processing staff member | | staff |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

## 3. Dimension tables

### 3.1 payment

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | payment_id | SERIAL | Unique identifier for payment transaction | | |
| 🔑 | customer_id | SMALLINT | Unique identifier for customer | | customer |
| 🔑 | staff_id | SMALLINT | Unique identifier for processing staff member | | staff |
| 🔑 | rental_id | INTEGER | Unique identifier for each rental transaction | | rental |
| | amount | NUMERIC(5,2) | Amount paid for rental | | |
| | payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of payment | | |

### 3.2 store

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | store_id | SERIAL | Unique identifier for each store | | |
| 🔑 | manager_staff_id | SMALLINT | Unique identifier managing staff | | staff |

🔑 = Primary key     🔑 = Foreign key

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | address_id | SMALLINT | Unique identifier for store address | | address |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

### 3.3 film actor

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | actor_id | SERIAL | Unique identifier for each actor | | actor |
| 🔑 | film_id | SMALLINT | Unique identifier for each movie | | film |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

### 3.4 inventory

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | inventory_id | SERIAL | Unique identifier for each inventory item | rental | |
| 🔑 | film_id | SMALLINT | Unique identifier for each movie | | film |
| | store_id | SMALLINT | Unique identifier for each store | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

### 3.5 film category

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | film_id | SMALLINT | Unique identifier for each movie | | film |

🔑 = Primary key     🔑 = Foreign key

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | category_id | SMALLINT | Unique identifier for each movie genre | | category |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

## 3.6 customer

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | customer_id | SERIAL | Unique identifier for each customer | rental | |
| | store_id | SMALLINT | Unique identifier for each store | | |
| | first_name | CHARACTER VARYING(45) | First name of customer | | |
| | last_name | CHARACTER VARYING(45) | Last name of customer | | |
| | email | CHARACTER VARYING(50) | Email address of customer | | |
| 🗝 | address_id | SMALLINT | Unique identifier for customer address | | address |
| | activebool | BOOLEAN | Boolean test of whether customer profile is active | | |
| | create_date | DATE | Date and time of data entry creation | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |
| | active | INTEGER | Indicates whether the customer profile is still active | | |

## 3.7 staff

| Key | Columns | Data Type | Description | Links From | Links To |
|-----|---------|-----------|-------------|------------|----------|
| 🔑 | staff_id | SERIAL | Unique identifier for each staff member | payment | |
| | first_name | CHARACTER VARYING(45) | First name of staff member | | |
| | last_name | CHARACTER VARYING(45) | Last name of staff member | | |
| 🗝️ | address_id | SMALLINT | Unique identifier for staff member address | | address |
| | email | CHARACTER VARYING(50) | Email address of staff member | | |
| | store_id | SMALLINT | Unique identifier for store of employment | | |
| | active | BOOLEAN | Boolean test of whether staff member profile is active | | |
| | username | CHARACTER VARYING(50) | Staff member username | | |
| | password | CHARACTER VARYING(50) | Staff member password | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |
| | picture | BYETEA | Staff member picture | | |

## 3.8 actor

| Key | Columns | Data Type | Description | Links From | Links To |
|-----|---------|-----------|-------------|------------|----------|
| 🔑 | actor_id | SERIAL | Unique identifier for each actor | film_actor | |
| | first_name | CHARACTER VARYING(45) | First name of actor | | |
| | last_name | CHARACTER VARYING(45) | Last name of actor | | |

🔑 = Primary key   🗝️ = Foreign key

| | | TIMESTAMP(6) | Date and time of | | |
|---|---|---|---|---|---|
| | last_update | WITHOUT TIME ZONE | last data entry update | | |

## 3.9 film

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | film_id | SERIAL | Unique identifier for each movie | inventory | |
| | title | CHARACTER VARYING(255) | Movie title | | |
| | description | TEXT | Description of movie | | |
| | release_year | year | Release year of movie | | |
| 🔑 | language_id | SMALLINT | Unique identifier for movie language | | language |
| | rental_duration | SMALLINT | Amount of days the movie was rented | | |
| | rental_rate | NUMERIC(4,2) | Going rate for rental of movie | | |
| | lenght | SMALLINT | Staff member username | | |
| | replacement_cost | NUMERIC(5,2) | Cost of replacement of movie disk | | |
| | rating | mpaa_rating | MPAA rating regarding age restriction for movie | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |
| | special_features | TEXT[] | Special features offered by movie disk | | |
| | fulltext | TSVECTOR | Attributes of movie | | |

### 3.10 category

| Key | Columns | Data Type | Description | Links From | Links To |
|-----|---------|-----------|-------------|------------|----------|
| 🔑 | category_id | SERIAL | Unique identifier for each category | film_category | |
| | name | CHARACTER VARYING(25) | Name of movie genre | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

### 3.11 address

| Key | Columns | Data Type | Description | Links From | Links To |
|-----|---------|-----------|-------------|------------|----------|
| 🔑 | address_id | SERIAL | Unique identifier for each address | store | |
| | address | CHARACTER VARYING(50) | Address information | | |
| | address2 | CHARACTER VARYING(50) | Additional address information if required | | |
| | district | CHARACTER VARYING(50) | District of address | | |
| 🔑 | city_id | SMALLINT | Unique identifier for each city | | city |
| | postal_code | CHARACTER VARYING(10) | Postal code of address | | |
| | phone | CHARACTER VARYING(20) | Associated phone number | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

### 3.12 language

| Key | Columns | Data Type | Description | Links From | Links To |
|-----|---------|-----------|-------------|------------|----------|
| 🔑 | language_id | SERIAL | Unique identifier for each language | film | |

🔑 = Primary key     🔑 = Foreign key

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| | name | CHARACTER(20) | Name of language | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

## 3.13 city

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | city_id | SERIAL | Unique identifier for each city | address | |
| | city | CHARACTER VARYING(50) | Name of city | | |
| 🗝 | country_id | SMALLINT | Unique identifier for each country | | country |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |

## 3.14 country

| Key | Columns | Data Type | Description | Links From | Links To |
|---|---|---|---|---|---|
| 🔑 | country_id | SERIAL | Unique identifier for each country | city | |
| | country | CHARACTER VARYING(50) | Name of country | | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date and time of last data entry update | | |