

# Rockbuster Stealth LLC

## Data Dictionary



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## 1. Fact Tables

Please note; columns that are **bold** indicate that they are defined as NOT NULL.

### 1.1 Rental

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>rental_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>rental_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when a movie was rented	
<b>inventory_id</b>	INTEGER	Unique identifier for an inventory item	Foreign key
<b>customer_id</b>	SMALLINT	Unique identifier for a customer	Foreign key
<b>return_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the item was returned	
<b>staff_id</b>	SMALLINT	Unique identifier for a sta member.	Foreign key
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated	

This table **links to** the following tables: customer, inventory and sta

This table is **linked from** the following tables: payment

### 1.2. Payment

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>payment_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>customer_id</b>	SMALLINT	Unique identifier	Foreign key
<b>staff_id</b>	SMALLINT	Unique identifier for a staff member	Foreign key
<b>rental_id</b>	INTEGER	Unique identifier for a rental	Foreign key
<b>amount</b>	NUMERIC(5,2)	The payment amount (stored as 5 digits with 2 digits after the decimal point)	
<b>payment_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of the payment	

This table **links to** the following tables: rental and customer

This table is **linked from** the following tables: staff

### 1.3. Store

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>store_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>manager_staff_id</b>	SMALLINT	Unique identifier	Foreign key
<b>address_id</b>	SMALLINT	Unique identifier for store location	Foreign key
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated	

This table **links to** the following tables: staff, rental and customer

This table is **linked from** the following tables: staff, address

## 2. Dimension Tables

### 2.1. Film\_actor

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>actor_id</b>	SMALLINT	Unique identifier for an actor	Composite Primary Key , Foreign key
<b>film_id</b>	SMALLINT	Unique identifier for a film	Composite Primary Key, Foreign Key
<b>last_update</b>	TIMESTAMP(6)  WITHOUT TIME  ZONE	Time and date of  when the record was  last updated	

This table **links to** the following tables: film

This table is **linked from** the following tables: actor

## 2.2. Inventory

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>inventory_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>film_id</b>	SMALLINT	Unique identifier for a film	Foreign key
<b>store_id</b>	SMALLINT	Unique identifier for a store	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated	

This table **links to** the following tables: rental, film\_category, film\_actor

This table is **linked from** the following tables: film

## 2.3. Film\_Category

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>film_id</b>	SMALLINT	Unique identifier for the film. Foreign key	Composite Primary Key
<b>category_id</b>	SMALLINT	Unique identifier for the category. Foreign key	Composite Primary Key
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated	

This table **links to** the following tables: none

This table is **linked from** the following tables: film, category

#### 2.4. Customer

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>customer_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>store_id</b>	SMALLINT	Unique identifier for the store.	
<b>first_name</b>	CHARACTER VARYING(45)	Customer first name (up to 45 characters)	
<b>last_name</b>  email  <b>address_id</b>	CHARACTER VARYING(45)  CHARACTER VARYING(50)  SMALLINT	Customer last name (up to 45 characters)  Customer email address (up to 50 characters)  Unique identifier for an address	Foreign key
<b>activebool</b>  <b>create_date</b>  last_update	BOOLEAN  DATE  TIMESTAMP(6) WITHOUT TIME ZONE	Customers current account status stored as “true” or “false”  Date the customer account was created stored as YYYY-MM-DD.  Time and date of when the record was last updated (stored with maximum number of microseconds)	
active	INTEGER	Customers current account status stored as 1 or 0	



This table **links to** the following tables: rental

This table is **linked from** the following tables: address

## 2.5. Staff

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>staff_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>first_name</b>	CHARACTER VARYING(45)	Sta first name (up to 45 characters)	
<b>last_name</b>	CHARACTER VARYING(45)	Sta last name (up to 45 characters)	
email  <b>address_id</b>  <b>active</b>	CHARACTER VARYING(50)  SMALLINT  BOOLEAN	Sta email address (up to 50 characters)  Unique identifier for an address  Staff members current employment status stored as “true” or “false”	Foreign key
<b>username</b>  password  <b>last_update</b>	CHARACTER VARYING(16)  CHARACTER VARYING(40)  TIMESTAMP(6) WITHOUT TIME ZONE	Staff username (up to 16 characters)  Staff password (up to 40 characters)  Time and date of when the record was last updated  (stored with maximum number of microseconds)	
picture	BYTE	A Staff photo stored as binary data (up to 1GB)	

This table **links to** the following tables: store, rental, payment

This table is **linked from** the following tables: address

## 2.6. Actor

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>actor_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>first_name</b>	CHARACTER VARYING(45)	Actor first name (up to 45 characters)	
<b>last_name</b>	CHARACTER VARYING(45)	Actor last name (up to 45 characters)	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated  (stored with maximum number of microseconds)	

This table **links to** the following tables: film\_actor

This table is **linked from** the following tables: none

## 2.7. Film

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>film_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>title</b>	CHARACTER VARYING(255)	Film title (up to 255 characters)	
description	TEXT	Description of the film. Text is a character string with unlimited length	
release_year	year	Year the film was released	
<b>language_id</b>	SMALLINT	Unique integer identifier of language. Foreign key	Foreign key
<b>rental_duration</b>	SMALLINT	Rental duration in days	
<b>rental_rate</b>	NUMERIC(5,2)	Cost of rental for this film (to two decimal points)	
length	SMALLINT	Length in minutes	
<b>replacement_cost</b>	NUMERIC(5,2)	Cost of replacing this film (to two decimal points)	
rating	mpaa_rating	Motion picture association film rating	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated (stored with maximum number of microseconds)	
special_features	TEXT[]	Description of films special features (unlimited characters)	
<b>fulltext</b>	TSVECTOR	A list of normalised words from the title and description fields (with their position integers)	

This table **links** to the following tables: inventory, film\_actor, film\_category

This table is **linked from** the following tables: language

## 2.8. Category

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>category_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>name</b>	CHARACTER VARYING(25)	Category name (up to 25 characters)	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated (stored with maximum number of microseconds)	

This table **links to** the following tables: film\_category

This table is **linked from** the following tables: none

## 2.9. Language

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>language_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>name</b>	CHARACTER VARYING(20)	Language name (up to 20 characters)	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated (stored with maximum number of microseconds)	

This table **links to** the following tables: film

This table is **linked from** the following tables: none

## 2.10. Address

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>address_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL.	Primary key
<b>address</b>	CHARACTER VARYING(50)	Street name and number (up to 50 characters)	
<b>address_2</b>	CHARACTER VARYING(50)	Extra details about street name and number (up to 50 characters)	
<b>district</b>	CHARACTER VARYING(20)	State name (up to 20 characters)	
<b>city_id</b>	SMALLINT	Unique identifier for city	Foreign key
<b>postal_code</b>	CHARACTER VARYING(10)	Postal code (up to 10 characters)	
<b>phone</b>	CHARACTER VARYING(20)	Phone number (up to 20 characters)	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the record was last updated (stored with maximum number of microseconds)	

This table **links to** the following tables: customer, staff store

This table is **linked from** the following tables: city

### 2.11. City

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key type</i>
<b>city_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL.	Primary key
<b>city</b>	CHARACTER VARYING(50)	City name (up to 50 characters)	
<b>country_id</b>	SMALLINT	Unique identifier for country	Foreign key

This table is **linked from** the following tables: country

### 2.12. Country

<i>Columns</i>	<i>Data Type</i>	<i>Description</i>	<i>Key Type</i>
<b>country_id</b>	SERIAL	This integer is a unique identifier that is automatically generated by PostgreSQL	Primary key
<b>country</b>	CHARACTER VARYING(50)	Country name (up to 50 characters)	

This table is **linked from** the following tables: none

## 2.13 ERD

