

# Rockbuster Stealth

Data Dictionary

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## Fact Tables

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

### 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
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of when the item was returned.	
<b>staff_id</b>	SMALLINT	Unique identifier for a staff 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 staff

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

## 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 for a customer.	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 transaction/event.	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

## Dimension Tables

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

### 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 for manager.	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

### 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. Foreign key.	Composite Primary Key.
<b>film_id</b>	SMALLINT	Unique identifier for a film. 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: film

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

## 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

## 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

## 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>	CHARACTER VARYING(45)	Customer last name (up to 45 characters)	
email	CHARACTER VARYING(50)	Customer email address (up to 50 characters)	
<b>address_id</b>	SMALLINT	Unique identifier for an address.	Foreign key.
<b>activebool</b>	BOOLEAN	Customers current account status stored as “true” or “false”	
<b>create_date</b>	DATE	Date the customer account was created stored as YYYY-MM-DD.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	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

## 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)	Staff first name (up to 45 characters)	
<b>last_name</b>	CHARACTER VARYING(45)	Staff last name (up to 45 characters)	
email	CHARACTER VARYING(50)	Staff email address (up to 50 characters)	
<b>address_id</b>	SMALLINT	Unique identifier for an address.	Foreign key.
<b>active</b>	BOOLEAN	Staff members current employment status stored as “true” or “false”	
<b>username</b>	CHARACTER VARYING(16)	Staff username (up to 16 characters)	
password	CHARACTER VARYING(40)	Staff password (up to 40 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)	
picture	BYTEA	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



## 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

## 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

## 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

## 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

## 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)	
address_2	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.
postal_code	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

## 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.
<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: address

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

**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)	
<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: city

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