



ROCKBUSTER STEALTH

Data Dictionary

[Abstract](#)

A complete guide to the Rockbuster Stealth Database, what it entails, and the relationships that exist between the tables.

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Rockbuster Stealth

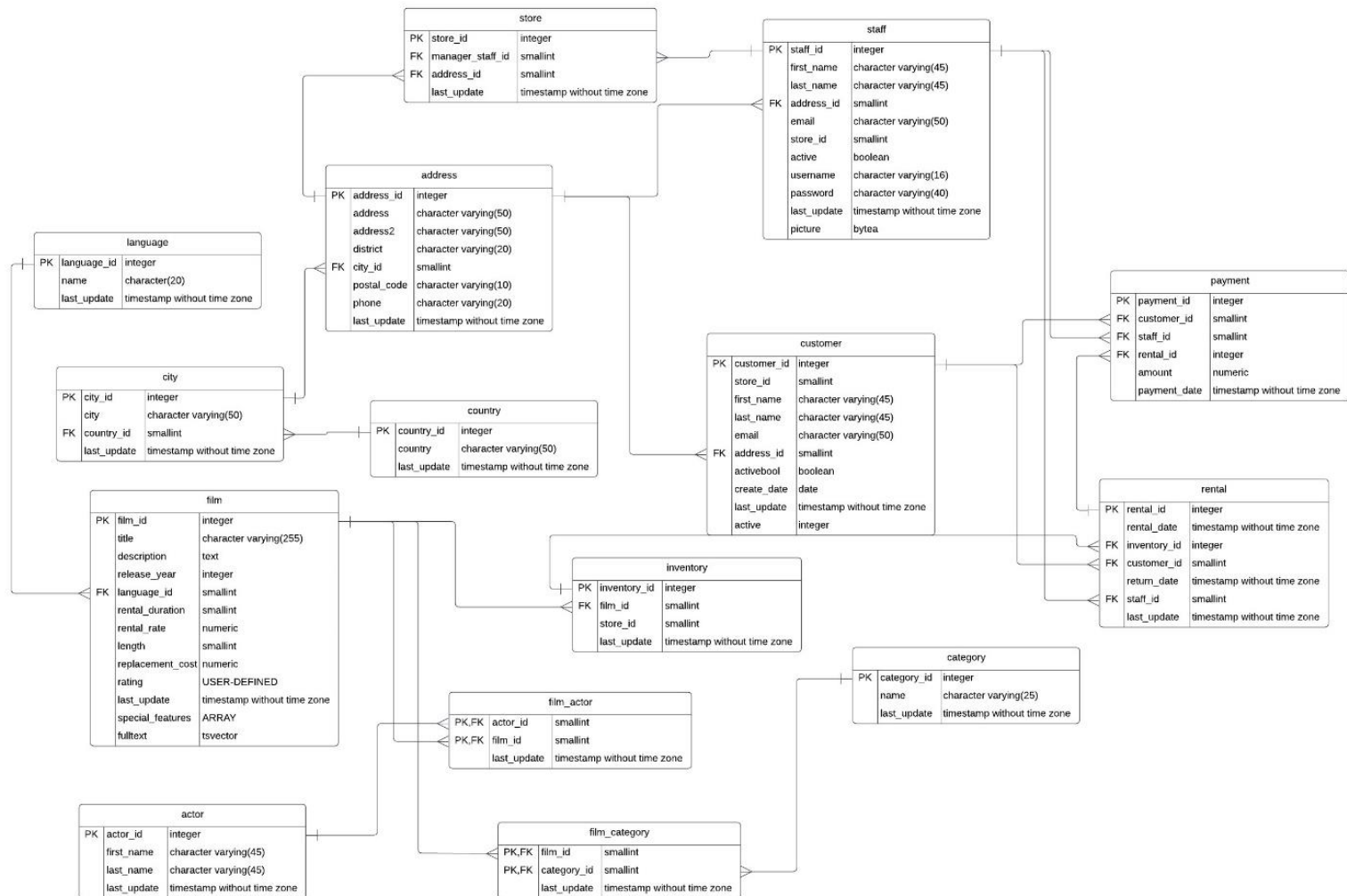
Rockbuster Stealth is a fictional movie rental company that previously had stores located around the world.

With everything moving to streaming services, Rockbuster is planning to compete with the bigger companies by launching an online streaming service.

The Rockbuster Stealth database can be downloaded here:

<http://www.postgresqltutorial.com/wp-content/uploads/2019/05/dvdrental.zip>

Entity Relationship Diagram (ERD)



Data Dictionary

Fact Tables

Payment

Columns	Data Type	Description	Link To/From Table
payment_id	SERIAL	Primary key , integer, unique value to identify payment	
customer_id	SMALLINT	Foreign key , small integer, unique number to identify customer	To customer
staff_id	SMALLINT	Foreign key , small integer, unique number to identify staff	To staff
rental_id	INTEGER	Foreign key , integer, unique number used to identify the rental transaction	To rental
amount	NUMERIC(5,2)	Monetary amount, 5 digits max including 2 decimal places	
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Rental

Columns	Data Type	Description	Link To/From Table
rental_id	SERIAL	Primary key , integer, unique number used to identify the rental transaction	From payment
rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss) and used to signify the start of the rental	
inventory_id	INTEGER	Foreign key , integer, unique number identifying rental item	To inventory
customer_id	SMALLINT	Foreign key , small integer, unique number to identify customer	To customer
return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss) and used to determine rental due date	
staff_id	SMALLINT	Foreign key , small integer, unique number to identify staff	To staff
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Dimension Tables

Film

Columns	Data Type	Description	Link To/From Table
film_id	SERIAL	Primary key , unique number used to identify each film	From inventory
title	CHARACTER VARYING (255)	Film title, fixed-length character with a max of 255 characters	
description	TEXT	Film description with no character limit	
release_year	year	Integer, year of film release	
language_id	SMALLINT	Foreign key , small integer, unique number used to identify film language	To language
rental_duration	SMALLINT	Small integer, number of days rented	
rental_rate	NUMERIC(4,2)	Rating, number with max of 4 digits including 2 decimal places	
length	SMALLINT	Small integer, length of film in minutes	
replacement_cost	NUMERIC(5,2)	Monetary amount, 5 digits max including 2 decimal places; amount to pay if film is lost or damaged	
rating	mpaa_rating	Film rating by Movie Picture Association	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	
special_features	TEXT	Other videos related to the film	
fulltext	TSVECTOR	Text-searchable data using a word as an index	

Inventory

Columns	Data Type	Description	Link To/From Table
inventory_id	INTEGER	Primary key , integer, a unique number identifying rental item	From rental
film_id	SERIAL	Foreign key , unique number used to identify each film	To film
store_id	SMALLINT	Small integer, unique number used to identify the store	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Language

Columns	Data Type	Description	Link To/From Table
language_id	SMALLINT	Primary key , small integer, unique number used to identify film language	From film
name	CHARACTER(20)	The name of the language in the film	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Actor

Columns	Data Type	Description	Link To/From Table
actor_id	SMALLINT	Primary key , unique number used to identify each actor	From film actor
first_name	CHARACTER VARYING(45)	Actor's first name, max 45 characters	
last_name	CHARACTER VARYING(45)	Actor's last name, max 45 characters	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Film Actor

Columns	Data Type	Description	Link To/From Table
actor_id	SMALLINT	Composite key , unique number used to identify each actor; foreign key linking to actor table	To actor
film_id	SMALLINT	Composite key , unique number used to identify each film	To film
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Film Category

Columns	Data Type	Description	Link To/From Table
film_id	SMALLINT	Composite key , unique number used to identify each film	To film
category_id	SMALLINT	Composite key , unique number used to identify film category; foreign key linked to category table	To category
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Category

Columns	Data Type	Description	Link To/From Table
category_id	SERIAL	Primary key , unique number used to identify film category; foreign key linked to category table	From film category
name	CHARACTER VARYING(25)	The name of the film category, max 25 characters	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Customer

Columns	Data Type	Description	Link To/From Table
customer_id	SMALLINT	Primary key , unique number to identify customer	From payment
store_id	SMALLINT	Small integer, unique number used to identify the store	
first_name	CHARACTER VARYING(45)	Customer's first name, max 45 characters	
last_name	CHARACTER VARYING(45)	Customer's last name, max 45 characters	
email	CHARACTER VARYING(50)	Customer's email, max 50 characters	
address_id	SMALLINT	Foreign key , customer's address, linked to address table	To address
activebool	BOOLEAN	A true, false or null statement used to indicate customer account status	
create_date	DATE	Temporal number used when customer account was created (YYY-MM-DD)	

last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	
active	INTEGER	Integer, a number used to indicate whether or not the customer account is active	

Store

Columns	Data Type	Description	Link To/From Table
store_id	SERIAL	Primary key , unique number used to identify the store	
manager_staff_id	SMALLINT	Foreign key , unique number used to identify the manager staff; linked to staff table	To staff
address_id	SMALLINT	Foreign key , unique number used to identify the store address; linked to address table	To address
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Staff

Columns	Data Type	Description	Link To/From Table
staff_id	SERIAL	Primary key , small integer, unique number to identify staff	From payment
first_name	CHARACTER VARYING(45)	Employee's first name, max 45 characters	
last_name	CHARACTER VARYING(45)	Employee's last name, max 45 characters	
address_id	SMALLINT	Foreign key , employee's address, linked to address table	To address
email	CHARACTER VARYING(50)	Employee's email, max 50 characters	
store_id	SMALLINT	Small integer, unique number used to identify the store	
active	BOOLEAN	A true, false or null statement used to indicate employee status	
username	CHARACTER VARYING(16)	Employee's username for internal account, max 16 characters	
password	CHARACTER VARYING(40)	Employee's password for internal account, max 40 characters	

last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	
picture	BYTEA	Employee's picture; BYTEA used to store images in binary format	

Address

Columns	Data Type	Description	Link To/From Table
address_id	SERIAL	Primary key , unique number used to identify address in this table	From customer, store, staff
address	CHARACTER VARYING(50)	Any address in the DB- line1 (street number and street name)	
address2	CHARACTER VARYING(50)	Any address in the DB- line2 (can be used as a secondary address designator)	
district	CHARACTER VARYING(20)	Any address in the DB- district/state/region name	
city_id	SMALLINT	Foreign key , small integer, unique number used to identify the city	To city
postal_code	CHARACTER VARYING(10)	Any address in the DB- postal code, max 10 characters	
phone	CHARACTER VARYING(20)	Phone number related to the address, max 20 characters	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

City

Columns	Data Type	Description	Link To/From Table
city_id	SERIAL	Primary key , small integer, unique number used to identify the city	From address
city	CHARACTER VARYING(50)	City name in the address in the DB	

country_id	SMALLINT	Foreign key , unique number used to identify the country in the DB; linked to country table	To country
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	

Country

Columns	Data Type	Description	Link To/From Table
country_id	SERIAL	Primary key , unique number used to identify the country in the DB	From city
country	CHARACTER VARYING(50)	Country name in the address in the DB	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Temporal number storing both date (YYYY-MM-DD) and time (hh:mm:ss)	