ROCKBUSTER

DATA DICTIONARY

Presented by

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Rockbuster
Stealth LLC
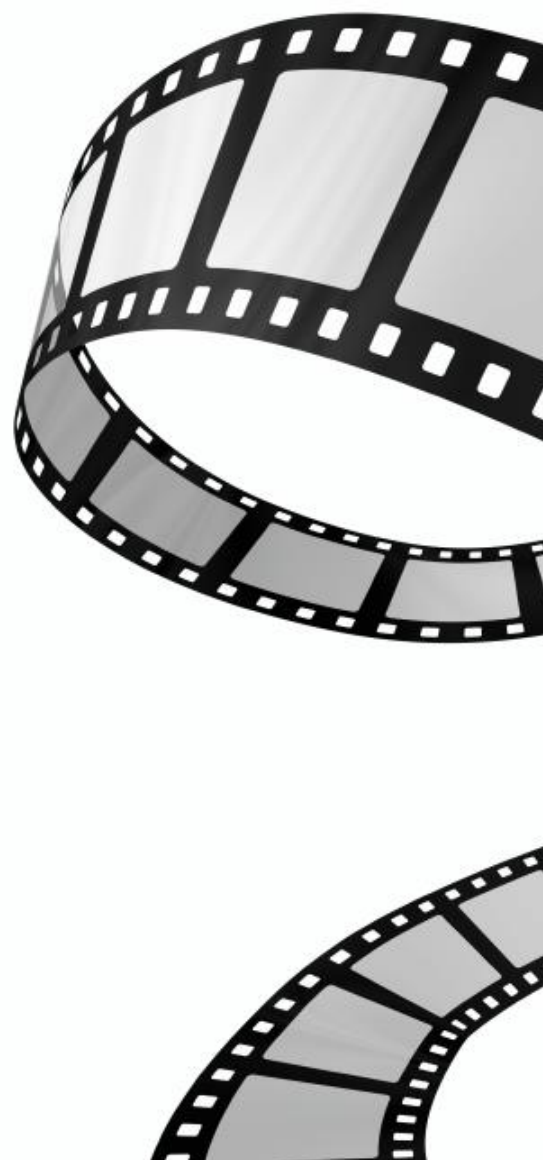
Table of Contents

<h1 style="text-align:center">Contents</h1>

Rockbuster

This is a data dictionary for Rockbuster PostgreSQL database. This data set contains information about Rockbuster's film inventory, customers, and payments, among other things.
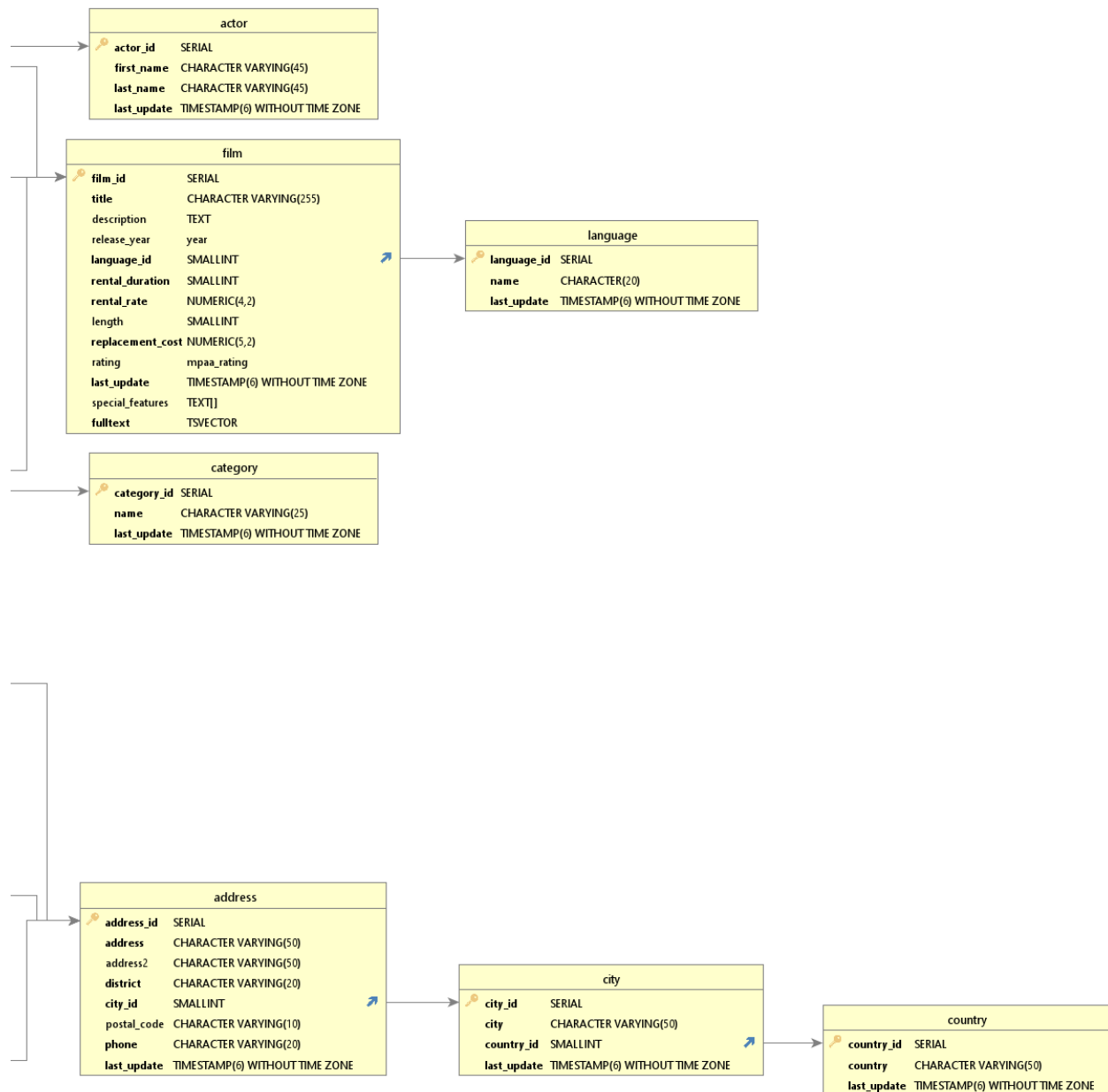
You can download Rockbuster database here:

Rockbuster data set

Legend

		Definition
	Boolean	Zero is considered as false, nonzero values are considered as true.
	Bytea	Allows storage of binary strings used to hold non-traditional data such as pictures.
	Character Varying(n)	Stores a string of letters, digits, and symbols of varying length, where n is a positive integer and can store up to n characters in length.
	Date	A date. Format: YYYY-MM-DD. The supported range is from '1000-01-01' to '9999-12-31'.
	Integer	An integer. Signed range is from -2147483648 to 2147483647. Unsigned range is from 0 to 4294967295.
	Mpaa_rating	Contains the familiar rating for that film like PG or R.
	Numeric(p,s)	Fixed precision and scale numbers. The p parameter indicates the maximum total number of digits that can be stored (both to the left and to the right of the decimal point). p must be a value from 1 to 38. Default is 18. The s parameter indicates the maximum number of digits stored to the right of the decimal point. s must be a value from 0 to p. Default value is 0.
🔑	Primary key	The column that contains values that uniquely identifies each row in a table.
	Serial	Stores a sequential integer, of the INT data type, that is automatically assigned by the database server when a new row is inserted.
	Smallint	A small integer. Signed range is from -32768 to 32767. Unsigned range is from 0 to 65535.
	Text / Text []	Stores character of unlimited length.
	Timestamp(n) without time zone	A timestamp to store date and time data including year, month, day, hour, minute and second ignoring any time zone indication. The number (0 or 6) is the number of digits for fractions of a second that you want to store. 6 is the maximum.
	Tsvector	Stores text structure in the document format.
	Year	A year in four-digit format. Values allowed in four-digit format: 1901 to 2155, and 0000.

Entity Relationship Diagram

film_actor

🔑	actor_id	SMALLINT
🔑	film_id	SMALLINT
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory

	inventory_id	SERIAL
	film_id	SMALLINT
	store_id	SMALLINT
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category

🔑	film_id	SMALLINT
🔑	category_id	SMALLINT
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

🔑	payment_id	SERIAL
	customer_id	SMALLINT
	staff_id	SMALLINT
	rental_id	INTEGER
	amount	NUMERIC(5,2)
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental

🔑	rental_id	SERIAL
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
	inventory_id	INTEGER
	customer_id	SMALLINT
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE
	staff_id	SMALLINT
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer

🔑	customer_id	SERIAL
	store_id	SMALLINT
	first_name	CHARACTER VARYING(45)
	last_name	CHARACTER VARYING(45)
	email	CHARACTER VARYING(50)
	address_id	SMALLINT
	activebool	BOOLEAN
	create_date	DATE
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE
	active	INTEGER

staff

🔑	staff_id	SERIAL
	first_name	CHARACTER VARYING(45)
	last_name	CHARACTER VARYING(45)
	address_id	SMALLINT
	email	CHARACTER VARYING(50)
	store_id	SMALLINT
	active	BOOLEAN
	username	CHARACTER VARYING(16)
	password	CHARACTER VARYING(40)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE
	picture	BYTEA

store

🔑	store_id	SERIAL
	manager_staff_id	SMALLINT
	address_id	SMALLINT
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Entity Relationship Diagram

actor

🔑 actor_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film

🔑 film_id	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language

🔑 language_id	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category

🔑 category_id	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

address

🔑 **address_id**	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city

🔑 **city_id**	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country

🔑 **country_id**	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Rockbuster
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Fact Tables

Payment Table

	Column	Data Type	Description
🔑	Payment_id	Serial	Payment identification number
	Customer_id	Smallint	Customer identification number
	Staff_id	Smallint	Staff identification number
	Rental_id	Integer	Rental identification number
	Payment_date	Timestamp(6) without time zone	Payment date and time without time zone

Links

Table	Join Column	Link Name
Customer	Customer_id	Payment_customer_id_fkey
Staff	Staff_id	Payment_staff_id_fkey
Rental	Rental_id	Payment_rental_id_fkey

Rental Table

	Column	Data Type	Description
🔑	Rental_id	Serial	Rental identification number
	Rental_date	Timestamp(6) without time zone	Rental date and time without time zone
	Inventory_id	Integer	Inventory identification number
	Customer_id	Smallint	Customer identification number
	Return_date	Timestamp(6) without time zone	Return date and time without time zone
	Staff_id	Smallint	Staff identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Payment	Rental_id	Payment_rental_id_fkey
Inventory	Inventory_id	Rental_inventory_id_fkey
Customer	Customer_id	Rental_customer_id_fkey
Staff	Staff_id	Rental_staff_id_fkey

Dimension Tables

Store Table

	Column	Data Type	Description
🔑	Store_id	Serial	Store identification number
	Manager_staff_id	Smallint	Manager staff identification number
	Address_id	Smallint	Address identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Staff	Staff_id	Store_staff_id_fkey
Address	Address_id	Store_address_id_fkey

Film_actor Table

	Column	Data Type	Description
🔑	Actor_id	Smallint	Actor identification number
🔑	Film_id	Smallint	Film identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Actor	Actor_id	Film_actor_actor_id_fkey
Film	Film_id	Film_actor_film_id_fkey

Inventory Table

	Column	Data Type	Description
🔑	Inventory_id	Serial	Inventory identification number
	Film_id	Smallint	Film identification number
	Store_id	Smallint	Store identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Rental	Inventory_id	Rental_inventory_id_fkey
Film	Film_id	Inventory_film_id_fkey

Film_category Table

	Column	Data Type	Description
🔑	Film_id	Smallint	Film identification number
🔑	Category_id	Smallint	Category identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Film	Film_id	Film_category_film_id_fkey
Category	Category_id	Film_category_category_id_fkey

Customer Table

	Column	Data Type	Description
🔑	Customer_id	Serial	Customer identification number
	Store_id	Smallint	Store identification number
	First_name	Character varying(45)	Customer first name
	Last_name	Character varying(45)	Customer last name
	Email	Character varying(50)	Customer email
	Address_id	Smallint	Customer address
	Activebool	Boolean	Customer active or not active
	Create_date	Date	Date customer file was created
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone
	Active	Integer	Shows 1 or 0 in the table but not sure what it means

Links

Table	Join Column	Link Name
Rental	Customer_id	Rental_customer_id_fkey
Payment	Customer_id	Payment_customer_id_fkey
Address	Address_id	Customer_address_id_fkey

Staff Table

	Column	Data Type	Description
🔑	Staff_id	Serial	Staff identification number
	First_name	Character varying(45)	Staff first name
	Last_name	Character varying(45)	Staff last name
	Address_id	Smallint	Staff address
	Email	Character varying(50)	Staff email
	Store_id	Smallint	Staff assigned store
	Active	Boolean	Staff active or not active
	Username	Character varying(16)	Staff username
	Password	Character varying(40)	Staff password
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone
	Picture	Bytea	Staff photo

Links

Table	Join Column	Link Name
Store	Staff_id	Store_staff_id_fkey
Rental	Staff_id	Rental_staff_id_fkey
Payment	Staff_id	Payment_staff_id_fkey
Address	Address_id	Staff_address_id_fkey

Actor Table

	Column	Data Type	Description
🔑	Actor_id	Serial	Actor identification number
	First_name	Character varying(45)	Actor first name
	Last_name	Character varying(45)	Actor last name
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Film_actor	Actor_id	Film_actor_actor_id_fkey

Film Table

	Column	Data Type	Description
🔑	Film_id	Serial	Film identification number
	Title	Character varying(255)	Film title
	Description	Text	Film description
	Release_year	Year	Film release year
	Language_id	Smallint	Language identification number
	Rental_duration	Smallint	Rental duration
	Rental_rate	Numeric(4.2)	Rental rate in USD
	Length	Smallint	Film length
	Replacement_cost	Numeric(5.2)	Replacement cost in USD
	Rating	Mpaa_rating	Film rating
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone
	Special_features	Text[]	Special features
	Fulltext	Tsvector	Full text

Links

Table	Join Column	Link Name
Inventory	Film_id	Inventory_film_id_fkey
Film_category	Film_id	Film_category_film_id_fkey
Film_actor	Film_id	Film_actor_film_id_fkey
Language	Language_id	Film_language_id_fkey

Category Table

	Column	Data Type	Description
🔑	Category_id	Serial	Category identification number
	Name	Character varying(25)	Film category
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Film_category	Category_id	Film_category_category_id_fkey

Address Table

	Column	Data Type	Description
🔑	Address_id	Serial	Address identification number
	Address	Character varying(45)	Address line 1
	Address2	Character varying(45)	Address line 2
	District	Character varying(45)	District/state
	City_id	Smallint	City
	Postal_code	Character varying(45)	Postal code
	Phone	Character varying(45)	Phone number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Store	Address_id	Store_address_id_fkey
Staff	Address_id	Staff_address_id_fkey
Customer	Address_id	Customer_address_id_fkey
City	City_id	City_city_id_fkey

Language Table

	Column	Data Type	Description
🔑	Language_id	Serial	Language identification number
	Name	Character(20)	Language name
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Film	Language_id	Film_language_id_fkey

City Table

	Column	Data Type	Description
🔑	City_id	Serial	City identification number
	City	Character varying(50)	City
	Country_id	Smallint	Country identification number
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
Address	City_id	Address_city_id_fkey
Country	Country_id	Country_country_id_fkey

City Table

	Column	Data Type	Description
🔑	Country_id	Serial	Country identification number
	Country	Character varying(50)	Country
	Last_update	Timestamp(6) without time zone	Last update date and time without time zone

Links

Table	Join Column	Link Name
City	Country_id	City_country_id_fkey