Rockbuster Stealth Data Dictionary

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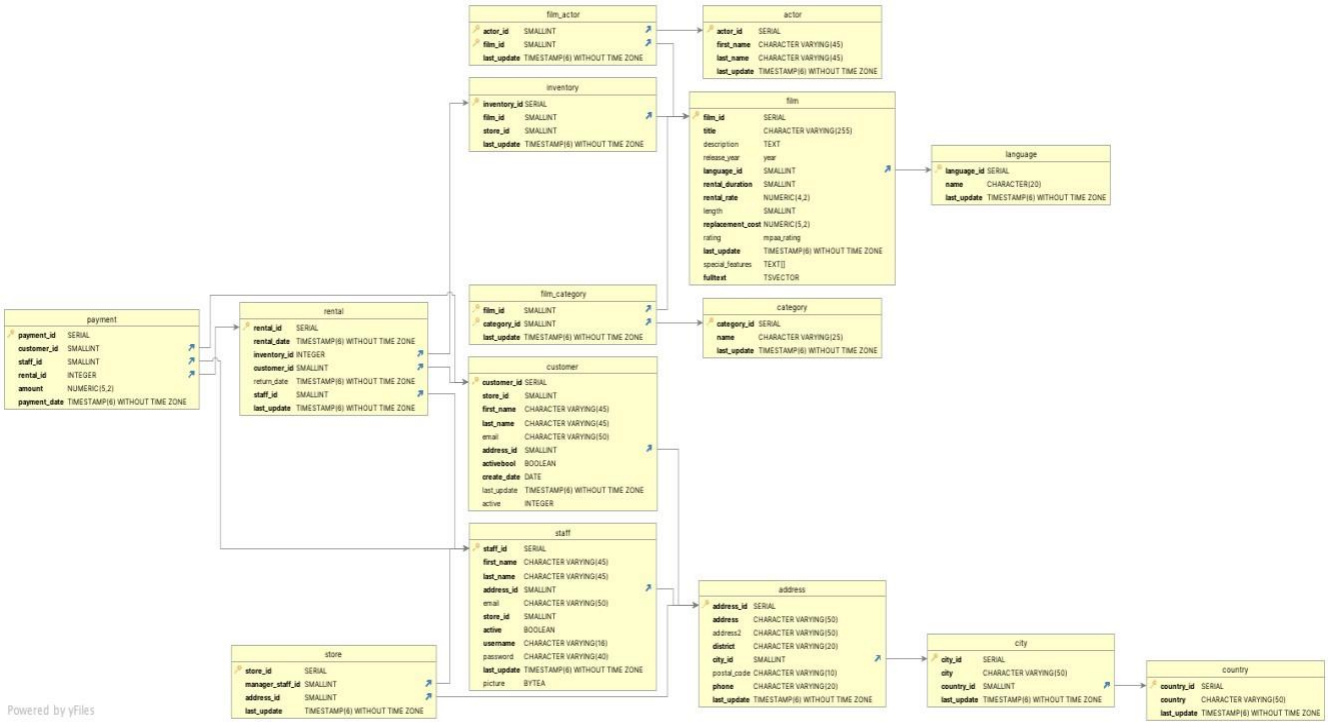
Table of Contents

Rockbuster Database Schema: 2
Fact Tables: 3
payment 3
rental 3
Dimension Tables: 4
Actor 4
Address 4
Category 4
City 4
Country 5
Customer 5
Film_actor 5
Film_category 6
Film 6
Inventory 7
Language 7
Staff 7
Store 8

Rockbuster Database Schema



Fact Tables

Payment

Columns	Keys	Data Type	Description
payment_id	primary key	SERIAL	unique number to identify payment
customer_id	foreign key links customer	SMALLINT	unique small integer to identify customer
staff_id	foreign key links to staff	SMALLINT	unique small integer to identify Rockbuster staff
rental_id	foreign key links to rental	INTEGER	unique integer to identify rental transaction
amount		NUMERIC(5,2)	monetary amount of transaction, max 5 digits including 2 decimals
payment_date		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:min:sec) used to identify start of rental

RENTAL

Columns	Keys	Data Type	Description
rental_id	primary key	SERIAL	unique number to identify rental tranasction
rental_date		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec) used to identify start of rental
inventory_id	foreign key links to inventory	INTEGER	unique number to identify product in store
customer_id	foreign key links customer	SMALLINT	unique small integer to identify customer
return_date		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec) used to identify end of rental
staff_id	foreign key links to staff	SMALLINT	unique small integer to identify Rockbuster staff
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Dimension Tables

Actor

Columns	Keys	Data Type	Description
actor_id	primary key	SERIAL	unique number to identify actor
first_name		CHARACTER VARYING(45)	first name of actor max 45 characters
last_name		CHARACTER VARYING(45)	last name of actor max 45 characters
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Address

Columns	Keys	Data Type	Description
address_id	primary key	SERIAL	unique number to identify the address
address		CHARACTER VARYING(50)	name and number of street max 50 characters
address2		CHARACTER VARYING(50)	secondary address (apartment number,suites, etc.) max 50 characters
district		CHARACTER VARYING(20)	identifies state/district/province max 20 characters
city_id		SMALLINT	small integer to identify city

Category

Columns	Keys	Data Type	Description
category_id	primary key	SERIAL	used to identify category of film
name		CHARACTER VARYING(25)	genre of film max 25 characters
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

City

Columns	Keys	Data Type	Description
city_id	primary key	SERIAL	unique number to identify city
city		CHARACTER VARYING(50)	name of city max 50 characters
country_id	foreign key links to country	SMALLINT	unique small integer to identify country links to country table
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Country

Columns	Keys	Data Type	Description
country_id	primary key	SERIAL	unique number to identify country
country		CHARACTER VARYING(50)	max 50 characters
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Customer

Columns	Keys	Data Type	Description
customer_id	primary key	SERIAL	unique number to identify customer
store_id		SMALLINT	unique small integer to identify Rockbuster store
first_name		CHARACTER VARYING(45)	first name of customer max 45 characters
last_name		CHARACTER VARYING(45)	last name of customer max 45 characters
email		CHARACTER VARYING(50)	customer email max 50 characters
address_id	foreign key links to address	SMALLINT	identifies customer's address
activebool		BOOLEAN	T/F statement to determine status of customer account
create_date		DATE	date and time (yyyy-mm-dd hour:minute:sec) identifies date of customer account creation
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)
active		INTEGER	number that indicates accounts current status

Film_actor

Columns	Keys	Data Type	Description
actor_id	composite key foreign key links to actor	SMALLINT	unique small integer to identify actor in database
film_id	composite key foreign key links to film	SMALLINT	unique small integer to identify film
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Film_category

Columns	Keys	Data Type	Description
film_id	composite key foreign key links to film	SMALLINT	unique small integer to identify film
category_id	composite key foreign key links to category	SMALLINT	unique small integer to identify category of film
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Film

Columns	Keys	Data Type	Description
film_id	primary key	SERIAL	unique number to identify film
title		CHARACTER VARYING(255)	title of film max 255 characters
description		TEXT	description of film
release_year		YEAR	year of films release
language_id	foreign key links language	SMALLINT	unique number to identify language of film
rental_duration		SMALLINT	small integer that indicates the number of days film was rented for
rental_rate		NUMERIC(4,2)	rate of film rental max 4 digits, including 2 decimals
length		SMALLINT	small integer to indicate runtime of film (in minutes)
replacement_cost		NUMERIC(5,2)	monetary amount customer is charged if film is damaged or lost max 5 digits, including 2 decimals
rating		MPAA_RATING	rating system to determine suitability for certain audiences
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)
special_features		TEXT[]	extra videos associated with film
fulltext		TVSECTOR	index of text-searchable data to identify movies

Inventory

Columns	Keys	Data Type	Description
inventory_id	primary key	SERIAL	unique number to identify product in store
film_id	composite key foreign key links to film	SMALLINT	unique small integer to identify film
store_id		SMALLINT	unique small integer to identify Rockbuster store
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Language

Columns	Keys	Data Type	Description
language_id	primary key	SERIAL	unique number to identify language
name		CHARACTER VARYING(20)	name of language spoken in film max 20 characters
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)

Staff

Columns	Keys	Data Type	Description
staff_id	primary key	SERIAL	unique small integer to identify Rockbuster staff
first_name		CHARACTER VARYING(45)	first name of Rockbuster employee max 45 characters
last_name		CHARACTER VARYING(45)	last name of Rockbuster employee max 45 characters
address_id	foreign key links to address	SMALLINT	small integer that identifies employee's address
email		CHARACTER VARYING(50)	employee's email max 50 characters
store_id		SMALLINT	unique small integer to identify Rockbuster store
active		BOOLEAN	T/F statement to determine status of employee
username		CHARACTER VARYING(16)	employee login username max 16 characters
password		CHARACTER VARYING(40)	employee login password max 40 characters
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)
picture		BYTEA	employee id picture

Store

Columns	Keys	Data Type	Description
store_id	primary key	SERIAL	unique small integer to identify Rockbuster store
manager_staff_id	foreign key links to staff	SMALLINT	unique small integer to identify manager of Rockbuster store
address_id	foreign key links to address	SMALLINT	unique small integer to identify address of store
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	date and time (yyyy-mm-dd hour:minute:sec)