Rockbuster Stealth

Data Dictionary

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September 21st, 2023

1. Rockbuster Stealth

This database contains two fact tables and thirteen dimension tables containing information on various aspects of Rockbuster Stealth's operations, revenue, inventory, etc.
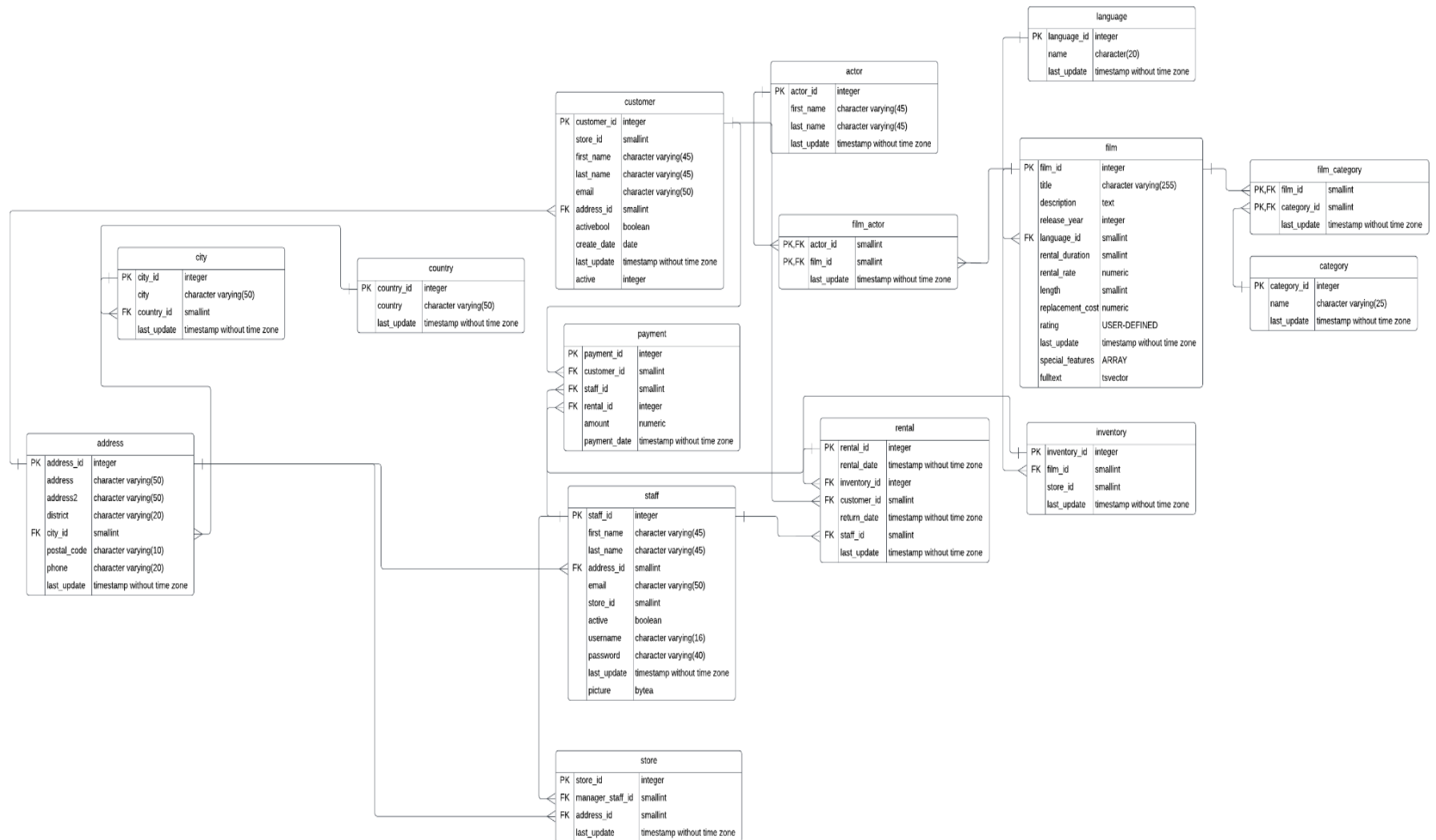
Database can be downloaded here

2. Legend

PK = Primary Key

FK - Foreign Key

3. Entity Relationship Diagram

language

PK	language_id	integer
	name	character(20)
	last_update	timestamp without time zone

actor

PK	actor_id	integer
	first_name	character varying(45)
	last_name	character varying(45)
	last_update	timestamp without time zone

customer

PK	customer_id	integer
	store_id	smallint
	first_name	character varying(45)
	last_name	character varying(45)
	email	character varying(50)
FK	address_id	smallint
	activebool	boolean
	create_date	date
	last_update	timestamp without time zone
	active	integer

film

PK	film_id	integer
	title	character varying(255)
	description	text
	release_year	integer
FK	language_id	smallint
	rental_duration	smallint
	rental_rate	numeric
	length	smallint
	replacement_cost	numeric
	rating	USER-DEFINED
	last_update	timestamp without time zone
	special_features	ARRAY
	fulltext	tsvector

film_category

PK,FK	film_id	smallint
PK,FK	category_id	smallint
	last_update	timestamp without time zone

category

PK	category_id	integer
	name	character varying(25)
	last_update	timestamp without time zone

film_actor

PK,FK	actor_id	smallint
PK,FK	film_id	smallint
	last_update	timestamp without time zone

city

PK	city_id	integer
	city	character varying(50)
FK	country_id	smallint
	last_update	timestamp without time zone

country

PK	country_id	integer
	country	character varying(50)
	last_update	timestamp without time zone

payment

PK	payment_id	integer
FK	customer_id	smallint
FK	staff_id	smallint
FK	rental_id	integer
	amount	numeric
	payment_date	timestamp without time zone

rental

PK	rental_id	integer
	rental_date	timestamp without time zone
FK	inventory_id	integer
FK	customer_id	smallint
	return_date	timestamp without time zone
FK	staff_id	smallint
	last_update	timestamp without time zone

inventory

PK	inventory_id	integer
FK	film_id	smallint
	store_id	smallint
	last_update	timestamp without time zone

address

PK	address_id	integer
	address	character varying(50)
	address2	character varying(50)
	district	character varying(20)
FK	city_id	smallint
	postal_code	character varying(10)
	phone	character varying(20)
	last_update	timestamp without time zone

staff

PK	staff_id	integer
	first_name	character varying(45)
	last_name	character varying(45)
FK	address_id	smallint
	email	character varying(50)
	store_id	smallint
	active	boolean
	username	character varying(16)
	password	character varying(40)
	last_update	timestamp without time zone
	picture	bytea

store

PK	store_id	integer
FK	manager_staff_id	smallint
FK	address_id	smallint
	last_update	timestamp without time zone

4. Fact Tables

payment

Table Columns

Column Name	Key	Data Type	Description
payment_id	FK	integer	Unique payment identifier
customer_id	FK	smallint	Unique customer identifier
staff_id	FK	smallint	Unique staff identifier
rental_id	FK	integer	Unique rental identifier
amount		numeric	Amount of payment
payment_date		timestamp no time zone	Date and time of payment

Links To Other Tables

Table Name	Join
customer	payment.customer_id = customer.customer_id
rental	payment.rental_id = rental.rental_id
staff	payment.staff_id = staff.staff_id

rental

Table Columns

Column Name	Key	Data Type	Description
rental_id	PK	integer	Unique rental identifier
rental_date		timestamp no time zone	Date and time of rental
inventory_id	FK	integer	Unique inventory identifier
customer_id	FK	smallint	Unique customer identifier
return_date		timestamp no time zone	Date and time of return
staff_id	FK	smallint	Unique staff identifier
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
customer	rental.customer_id = customer.customer_id
inventory	rental.inventory_id = inventory.inventory_id
payment	rental.rental_id = payment.rental_id
staff	rental.staff_id = staff.staff_id

5. Dimension Tables

actor

Table Columns

Column Name	Key	Data Type	Description
actor_id	PK	integer	Unique actor identifier
first_name		character varying (45)	Actor's first name
last_name		character varying (45)	Actor's last name
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
film_actor	actor.actor_id = film_actor.actor_id

address

Table Columns

Column Name	Key	Data Type	Description
addriess_id	PK	integer	Unique address identifier
address		character varying (50)	Staff member's first line of address
address2		character varying (50)	Staff member's second line of address (all null values)
district		character varying (50)	Staff member's district of address
city_id	FK	smallint	Unique city identifier
postal_code		character varying (10)	Postal code of address
phone		character varying (20)	Phone number of customer
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
city	address.city_id = city.city_id
customer	address.address_id = customer.address_id
staff	address.address_id = staff.address_id
store	address.address_id = store.address_id

category

Table Columns

Column Name	Key	Data Type	Description
category_id	PK	integer	Unique category identifier
name		character varying(25)	Category name
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
film_category	category.category_id = film_category.category_id

city

Table Columns

Column Name	Key	Data Type	Description
city_id	PK	integer	Unique city identifier
city		character varying(50)	Name of city
country_id	FK	smallint	Unique country identifier
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
address	city.address_id = address.address_id
country	city.country_id = country.country_id

country

Table Columns

Column Name	Key	Data Type	Description
country_id	PK	integer	Unique country identifier
country		character varying(50)	Name of country
last_update		timestamp not time zone	Date and time of last update

Links To Other Tables

Table Name	Join
city	country.country_id = city.country_id

customer

Column Name	Key	Data Type	Description
customer_id	PK	integer	Unique customer identifier
store_id		smallint	Unique store identifier
first_name		character varying(45)	Customer's first name
last_name		character varying(45)	Customer's last name
email		character varying(50)	Customer's email address
address_id	FK	smallint	Customer's address
activebool		boolean	Customer's active status
create_date		date	Date of customer profile creation
last_update		timestamp no time zone	Date and time of last update
active		integer	Active status

Links To Other Tables

Table Name	Join
address	customer.address_id = address.address_id
payment	customer.customer_id = payment.customer_id
rental	customer.customer_id = payment.customer_id

film

Table Columns

Column Name	Key	Data Type	Description
film_id	PK	integer	Unique film identifier
title		character varying(255)	Title of film
description		text	Description of film
release_year		integer	Film release year
language_id	FK	smallint	Unique language identifier
rental_duration		smallint	Duration of rental
rental_rate		numeric	Rate of rental cost
replacement_cost		numeric	Cost of replacement
rating		USER-DEFINED	Mpaa rating
last_update		timestamp no time zone	Date and time of last update
special_features		ARRAY	Extra features included with film
fulltext		tsvector	Key search words related to film, for searching purposes

Links To Other Tables

Table Name	Join
fim_actor	film.film_id = film_actor.film_id
film_category	film.film_id = film_category.film_id
inventory	film.film_id = inventory.film_id
language	film.language_id = language.language_id

film_actor

Table Columns

Column Name	Key	Data Type	Description
actor_id	PK,FK	smallint	Unique actor identifier
film_id	PK,FK	smallint	Unique film identifier
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

film_category

Table Columns

Column Name	Key	Data Type	Description
film_id	PK,FK	smallint	Unique film identifier
category_id	PK,FK	smallint	Unique category identifier
last_update	PK,FK	timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id

inventory

Table Columns

Column Name	Key	Data Type	Description
inventory_id	PK	integer	Unique inventory identifier
film_id	FK	smallint	Unique film identifier
store_id		smallint	Unique store identifier
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
film	inventory.film_id = film.film_id
rental	inventory.inventory_id = rental.inventory_id

language

Table Columns

Column Name	Key	Data Type	Description
language_id	PK	integer	Unique language identifier
name		character(20)	Name of language
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
film	language.language_id = film.language_id

staff

Table Columns

Column Name	Key	Data Type	Description
staff_id	PK	integer	Unique staff identifier
first_name		character varying(45)	First name of staff member
last_name		character varying(45)	Last name of staff member
address_id	FK	smallint	Unique address identifier
email		character varying(50)	Staff member's email address
store_id		smallint	Unique store identifier
active		boolean	Active status
username		character varying(16)	Staff member's username
password		character varying(40)	Staff member's password
last_update		timestamp no time zone	Date and time of last update
picture		bytea	Staff member's picture

Links To Other Tables

Table Name	Join
address	staff.address_id = address.address_id
payment	staff.staff_id = payment.staff_id
rental	staff.staff_id = rental.staff_id
store	staff.store_id = store.store_id

store

Table Columns

Column Name	Key	Data Type	Description
store_id	PK	integer	Unique store identifier
manager_staff_id	FK	smallint	Unique manager staff identifier
address_id	FK	smallint	Unique address identifier
last_update		timestamp no time zone	Date and time of last update

Links To Other Tables

Table Name	Join
address	store.address_id = address.address_id
staff	store.store_id = staff.store_id