

Rockbuster Stealth

Data dictionary . 2023

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1. Rockbuster Stealth

This is a sample of the Rockbuster Stealth database - exported then to PostgreSQL for further analyses.

The Rockbuster Stealth database supports various information on customers, staff, movies, payments and others.

You can download Rockbuster Stealth database with the following link below :

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

2. Glossary

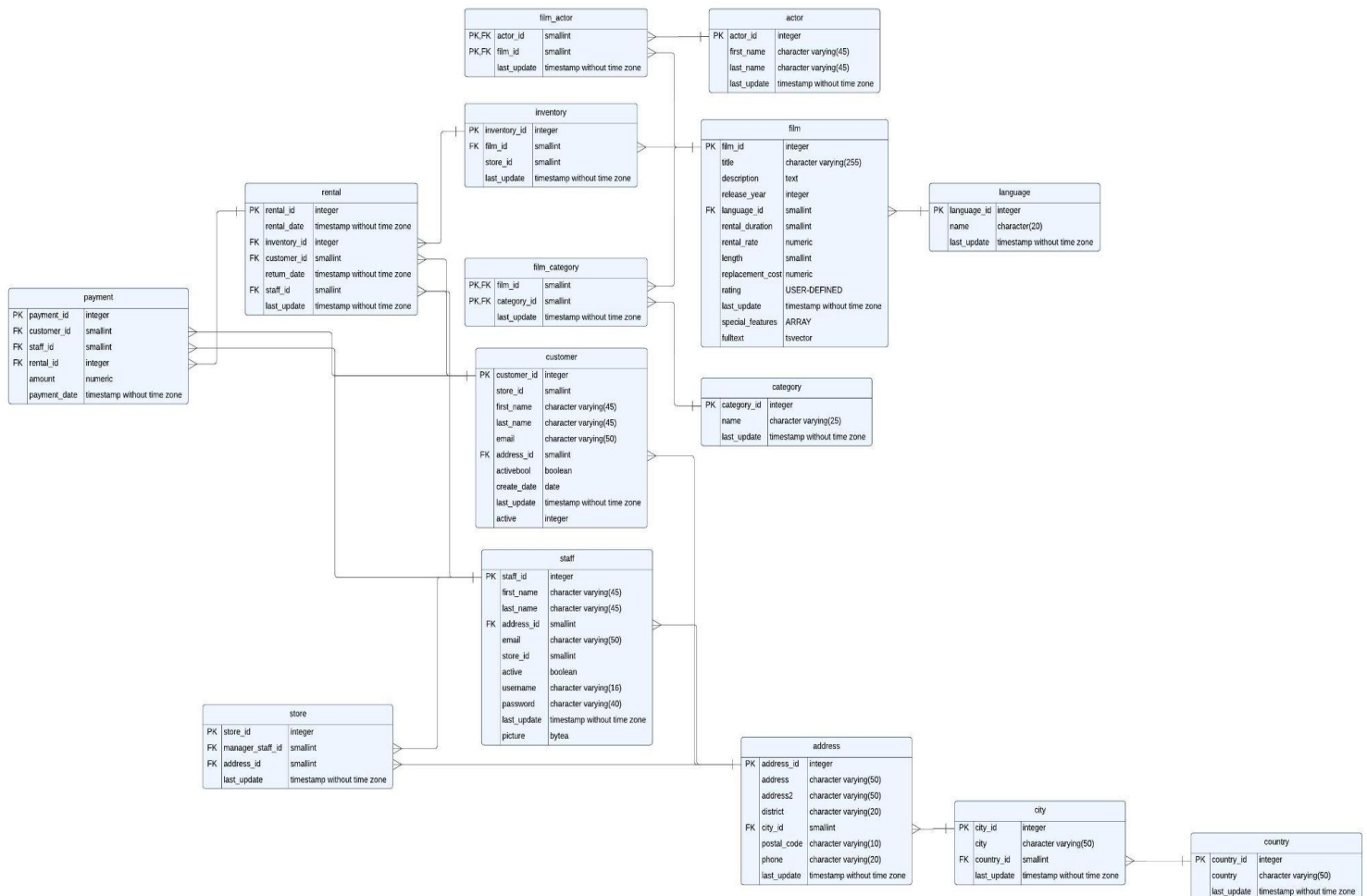


Primary key







Foreign key

3. ERD (Entity Relationship Diagram)



4. FACTS TABLES





4.1 Payment

Key	Column	Data type	Description
	payment_id	integer	Payment identifier
	customer_id	smallint	Customer identifier
	staff_id	smallint	Employee (staff) identifier
	rental_id	integer	Rental identifier
	amount	numeric	Payment amount
	payment_date	timestamp without time zone	Payment date

- **Links :**

Links to tables	ID links from column
Rental	rental_id => rental_id
Customer	customer_id => customer_id
Staff	staff_id => staff_id

4.2 Rental



Key	Column	Data type	Description
	rental_id	integer	Rental identifier
	rental_date	smallint	Rental date
	inventory_id	integer	Inventory identifier
	customer_id	smallint	Customer identifier
	return_date	timestamp without time zone	Return date of (probably) items rented
	staff_id	smallint	Employee (staff) identifier
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links to tables	ID links from column
Inventory	inventory_id => inventory_id
Customer	customer_id => customer_id
Staff	staff_id => staff_id

Links from tables	ID links from column
Payment	rental_id => rental_id



4.3 Film_actor

Key	Column	Data type	Description
	actor_id	smallint	Actor identifier
	film_id	smallint	Film identifier
	last_update	timestamp without time zone	Time of the last update

- Links :

Links to tables	ID links from column
Actor	actor_id => actor_id
Film_category	film_id => film_id




4.3 Film_category

Key	Column	Data type	Description
	film_id	smallint	Film identifier
	category_id	smallint	Category of film identifier
	last_update	timestamp without time zone	Time of the last update


- Links :

Links to tables	ID links from column
Film_category	film_id => film_id
Category	category_id => category_id

4.3 Store



Key	Column	Data type	Description
	store_id	integer	Store identifier
	manager_staff_id	smallint	Manager of the staff identifier
	address_id	smallint	Address identifier
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links  tables	ID links from column
Staff	address_id => address_id
Address	address_id => address_id

5. Dimension tables

5.1 Inventory


Key	Column	Data type	Description
	inventory_id	integer	Inventory identifier
	film_id	smallint	Film identifier
	store_id	smallint	Store identifier
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links to tables	ID links from column
Film	film_id => film_id

Links from table	ID links from column
Rental	inventory_id => inventory_id



5.2 Actor

Key	Column	Data type	Description
	actor_id	integer	Actor identifier
	first_name	character varying(45)	First name of the actor
	last_name	character varying(45)	Last name of the actor
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links from table	ID links from column
Film_actor	actor_id => actor_id

5.3 Film


Key	Column	Data type	Description
	film_id	integer	Film identifier
	title	character varying(255)	Title of the film
	description	text	Description of the film
	release_year	integer	Release year of the film
	language_id	smallint	<i>Foreign Key</i> - Language identifier of the film
	rental_duration	smallint	Rental duration of the film
	rental_rate	numeric	Rental rate of the film
	length	smallint	Length of the film in min/hours
	replacement_cost	numeric	Cost of the film replacement
	rating	USER-DEFINED	Rating of the film
	last_update	timestamp without time zone	Time of the last update
	special_features	ARRAY	Special features of the film
	fulltext	tsvector	Index of the film (for research)

● **Links :**

Links to tables	ID links from column
Language	language_id => language_id

Links from table	ID links from column
Inventory	film_id => film_id


5.4 Language

Key	Column	Data type	Description
	language_id	integer	Language identifier
	name	character(20)	Language used
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links from table	ID links from column
Film	language_id => language_id



5.5 Category

Key	Column	Data type	Description
	category_id	integer	<i>Primary Key</i> - Category identifier
	name	character varying(25)	Category name
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links from table	ID links from column
Film_category	category_id => category_id

5.5 Customer



Key	Column	Data type	Description
	customer_id	integer	Customer identifier
	store_id	smallint	Store identifier
	first_name	character varying(45)	First name of the customer
	last_name	character varying(45)	Last name of the customer
	email	character varying(50)	Customer's email address
	address_id	smallint	Customer's address
	activebool	boolean	Customer's active status
	create_date	date	Customer's profile creation date
	last_update	timestamp without time zone	Time of the last update
	active	integer	Confirmed active status of the customer

- **Links :**

Links to tables	ID links from column
Address	address_id => address_id

Links from table	ID links from column
Payment	customer_id => customer_id

5.6 Staff



Key	Column	Data type	Description
	staff_id	integer	Employee/staff identifier
	first_name	character varying(45)	First name of the employee
	last_name	character varying(45)	Last name of the employee
	address_id	smallint	Address of the employee
	email	character varying(50)	Email address of the employee
	store_id	smallint	Store the employee is working
	active	boolean	Employee's active status
	username	character varying(16)	Username of employee
	password	character varying(40)	Password of employee
	last_update	timestamp without time zone	Time of the last update
	picture	bytea	Picture of employee

- **Links :**

Links to tables	ID links from column
Address	address_id => address_id

Links from table	ID links from column
Payment	staff_id => staff_id

5.6 Address



Key	Column	Data type	Description
	address_id	integer	Address identifier
	address	character varying(50)	Address
	address2	character varying(50)	Additional address information
	district	character varying(20)	District of the address
	city_id	smallint	<i>Foreign Key</i> - City of the address
	postal_code	character varying(10)	Postal code of the address
	phone	character varying(20)	Phone number
	last_update	timestamp without time zone	Time of the last update

- **Links :**

Links to tables	ID links from column
City	city_id => city_id

Links from table	ID links from column
Staff	address_id => address_id

5.6 City


Key	Column	Data type	Description
	city_id	integer	<i>Primary Key</i> - City identifier
	city	character varying(50)	City name
	country_id	smallint	<i>Foreign Key</i> - Country identifier
	last_update	timestamp without time zone	Time of the last update

- Links :

Links to tables	ID links from column
Country	country_id => country_id

Links from table	ID links from column
Address	city_id => city_id

5.6 Country

Key	Column	Data type	Description
	country_id	integer	Country identifier
	country	character varying(50)	Country name
	last_update	timestamp without time zone	Time of the last update

- Links :

Links from table	ID links from column
City	country_id => country_id