

Rockbuster Stealth

Data dictionary

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1. Rockbuster Stealth

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

This database contains 2 fact tables and 13 dimension tables

Glossary

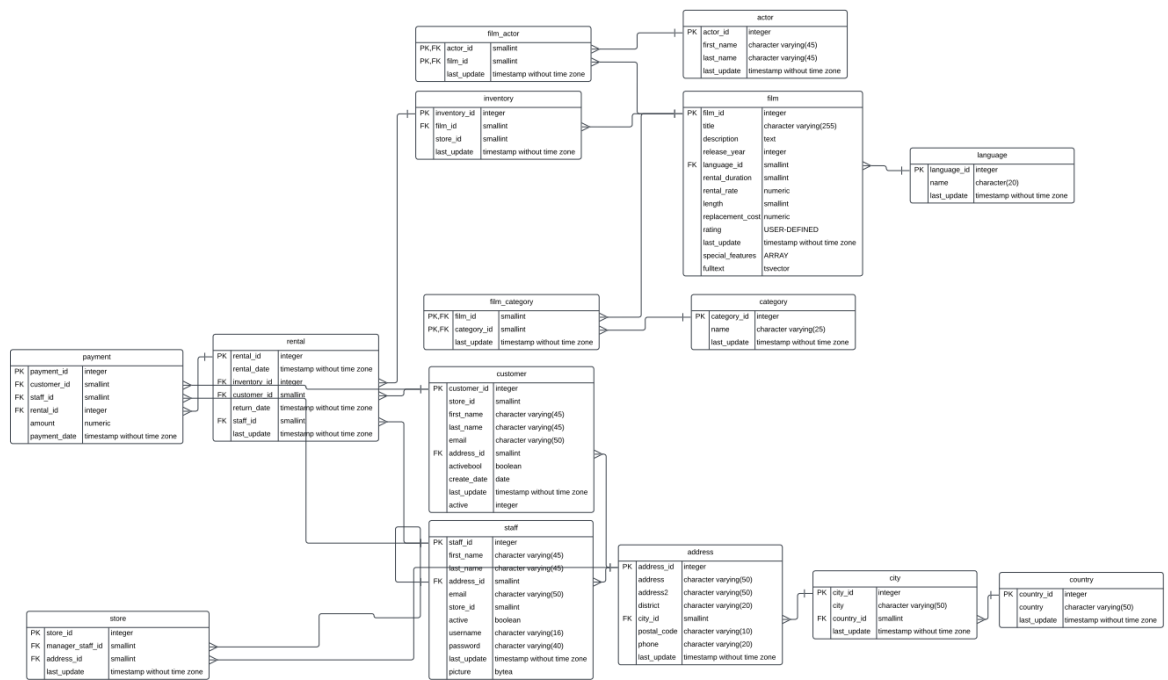
Primary Key



Foreign Key







2. ENTITY RELATIONSHIP DIAGRAM (ERD)



3.1 TABLES

3.1. Fact Tables





3.1.1. Table: payment

Key	Column name	Data Type	Description
	payment_id	serial	Unique id for payment records.
	customer_id	smallint	Unique customer id number.
	staff_id	smallint	Unique staff id number.
	rental_id	integer	Unique rental id number.
	amount	numeric(5,2)	Amount of payment received.
	payment_date	timestamp(6) without time zone	Date and time of the payment.

Links to

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





3.1.2. Table: film_actor

Key	Column name	Data type	Description
 	actor_id	smallint	Unique actor id.
 	film_id	smallint	Unique film id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Links to

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




3.1.3. Table: film_category

Key	Column Name	Data type	Description
 	film_id	smallint	Unique film id.
 	category_id	smallint	Unique category id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Links to

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

3.1.4. Table: store





Key	Column name	Data type	Description
	store_id	serial	Unique store id.
	manager_staff_id	smallint	Unique staff id.
	address_id	smallint	Unique address id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Links to

Table	Join
staff	store.manager_staff_id = staff.staff_id
address	store.address_id = address.address_id

3.2. Dimension Tables

3.2.1. Table: rental

Key	Column name	Data Type	Description
	rental_id	serial	Unique id for rental records.
	rental_date	timestamp(6) without time zone	Date and time of rental.
	inventory_id	integer	Unique inventory id.
	customer_id	smallint	Unique customer id.
	return_date	timestamp(6) without time zone	Date and time of rental return.
	staff_id	smallint	Unique staff id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.



Links to

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

Linked from

Table	Join
payment	payment.rental_id = rental.rental_id

3.2.2. Table: inventory

Key	Column name	Data type	Description
	inventory_id	serial	Unique id for inventory records.
	film_id	smallint	Unique film id.
	store_id	smallint	Unique store id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.



Links to

Table	Join
film	inventory.film_id = film.film_id

Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

3.2.3. Table: film

Key	Column name	Data type	Description
	film_id	serial	Unique film id.
	title	character varying(255)	Film title.
	description	text	Film description.
	release_year	year	Film release year.
	language_id	smallint	Unique language id.
	rental_duration	smallint	Rental duration, in days.
	rental_rate	numeric(4,2)	Film rental rate.
	length	smallint	Film duration, in minutes.
	replacement_cost	numeric(5,2)	Cost of film replacement.
	rating	mpaa_rating	Film rating.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.
	special_features	text[]	Special features of a film (e.g., trailers, behind the scenes).
	fulltext	tsvector	Film descriptive tags.


Links to

Table	Join
language	film.language_id = language.language_id

Linked from

Table	Join
film_actor	film_actor.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id


3.2.4. Table: language

Key	Column name	Data type	Description
	language_id	serial	Unique language id.
	name	character(20)	Language name.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
film	film.language_id = language.language_id


3.2.5. Table: category

Key	Column name	Data type	Description
	category_id	serial	Unique category id.
	name	character varying(25)	Name of a category.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
film_category	film_category.category_id = category.category_id



3.2.6. Table: actor

Key	Column name	Data type	Description
	actor_id	serial	Unique actor id.
	first_name	character varying(45)	Actor's first name.
	last_name	character varying(45)	Actor's last name.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

3.2.7. Table: customer

Key	Column name	Data type	Description
	customer_id	serial	Unique customer id.
	store_id	smallint	Unique store id.
	first_name	character varying(45)	Customer first name.
	last_name	character varying(45)	Customer last name.
	email	character varying(50)	Customer email address.
	address_id	smallint	Unique address id.
	activebool	boolean	Customer status (true = active, false = not active).
	create_date	date	Date when a customer profile was created.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.
	active	integer	Active status (0 or 1).



Links to

Table	Join
address	customer.address_id = address.address_id

Linked from

Table	Join
rental	rental.customer_id = customer.customer_id

3.2.8. Table: staff

Key	Column name	Data type	Description
	staff_id	serial	Unique staff id.
	first_name	character varying(45)	Staff member's first name.
	last_name	character varying(45)	Staff member's last name.
	address_id	smallint	Unique address id.
	email	character varying(50)	Email address of a staff member.
	store_id	smallint	Unique store id.
	active	boolean	Staff member status (true = active, false = not active).
	username	character varying(16)	Username for a staff member account.
	password	character varying(40)	Password for a staff member account.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.
	picture	bytea	Picture of a staff member.



Links to

Table	Join
address	staff.address_id = address.address_id

Linked from

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.manager_staff_id = staff.staff_id

3.2.9. Table: address

Key	Column name	Data type	Description
	address_id	serial	Unique address id.
	address	character varying(50)	Street address (first line).
	address2	character varying(50)	Apt/Suite/Other (second line of address).
	district	character varying(20)	Address district.
	city_id	smallint	Unique city id.
	postal_code	character varying(10)	Address postal code.
	phone	character varying(20)	Phone number.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.



Links to

Table	Join
city	address.city_id = city.city_id

Linked from

Table	Join
store	store.address_id = address.address_id
staff	staff.address_id = address.address_id
customer	customer.address_id = address.address_id

3.2.10. Table: city

Key	Column name	Data type	Description
	city_id	serial	Unique city id.
	city	character varying(50)	City name.
	country_id	smallint	Unique country id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.


Links to

Table	Join
country	city.country_id = country.country_id

Linked from

Table	Join
address	address.city_id = city.city_id

3.2.11. Table: country

Key	Column name	Data type	Description
	country_id	serial	Unique country id.
	country	character varying(50)	Country name.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
city	city.country_id = country.country_id