



ROCKBUSTER STEALTH

Data dictionary

[Rockbuster database](#)

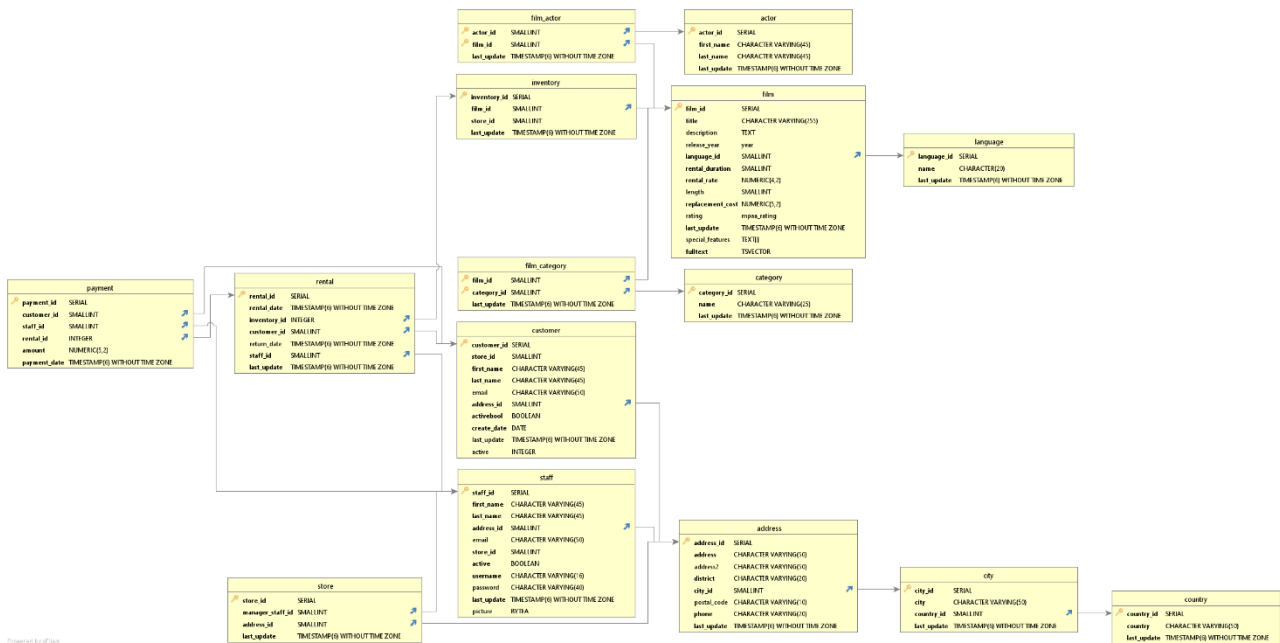
All you need to know about our database: tables, columns, keys, relationships.

Simone Calabrò
Simone.calab@outlook.it

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ENTITY RELATIONSHIP DIAGRAM



Legend:



= Primary key.







= Foreign key.



= Combination key.

FACT TABLES

Rental table:

Key	Columns	Data type	Description
	rental_id	SERIAL	A unique number (ID) that identifies rentals.
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the rental.
	inventory_id	INTEGER	A unique number (ID) that identifies items in inventory.
	customer_id	SMALLINT	A unique number (ID) that identifies customers.
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time when the item was returned.
	staff_id	SMALLINT	A unique number (ID) that identifies Rockbuster's staff.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.





Links to:

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

Links from:

Table	Columns	Join
payment	rental_id	payment.rental_id = rental.rental_id

Payment table:



Key	Columns	Data type	Description
	payment_id	SERIAL	A unique number (ID) that identifies payments.
	customer_id	SMALLINT	A unique number (ID) that identifies customers.
	staff_id	SMALLINT	A unique number (ID) that identifies Rockbuster's staff.
	rental_id	SERIAL	A unique number (ID) that identifies rentals.
	amount	NUMERIC(5,2)	Price of rental. Two decimal places.
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time when the payment has been done.

Links to:

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

DIMENSION TABLES

Customer table:

Key	Columns	Data type	Description
	customer_id	SERIAL	A unique number (ID) that identifies customers.
	store_id	SMALLINT	A unique number (ID) that identifies stores.
	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	A unique number (ID) that identifies addresses.
	activebool	BOOLEAN	Can be True or False. Indicates if a customer is active.
	create_date	DATE	Date of record creation in the database.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.
	active	INTEGER	A number that indicates customer's activity status.



Links to:

Table	Columns	Join
address	address_id	customer.address_id = address.address_id

Links from:

Table	Columns	Join
payment	customer_id	payment.customer_id = customer.customer_id
rental	customer_id	rental.customer_id = customer.customer_id

Staff table:

Key	Columns	Data type	Description
	staff_id	SERIAL	A unique number (ID) that identifies Rockbuster's staff.
	first_name	CHARACTER VARYING (45)	Staff member first name.
	last_name	CHARACTER VARYING (45)	Staff member last name.
	address_id	SMALLINT	A unique number (ID) that identifies addresses.
	email	CHARACTER VARYING (50)	Staff member email.
	store_id	SMALLINT	A unique number (ID) that identifies Rockbuster's stores.
	active	BOOLEAN	Can be True or False. Indicates if a customer is active.
	username	CHARACTER VARYING (16)	Staff username.
	password	CHARACTER VARYING (40)	Staff password.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.
	picture	BYTEA	N/A, could be a picture that identifies each staff member.



Links to:

Table	Columns	Join
address	address_id	staff.address_id = address.address_id

Links from:

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

Address table:

Key	Columns	Data type	Description
	address_id	SERIAL	A unique number (ID) that identifies addresses.
	address	CHARACTER VARYING (50)	Street and house number.
	address2	CHARACTER VARYING (50)	Field for address' additional information.
	district	CHARACTER VARYING (20)	City district.
	city_id	SMALLINT	A unique number (ID) that identifies cities.
	postal_code	CHARACTER VARYING (10)	ZIP postal code.
	phone	CHARACTER VARYING (20)	Telephone number.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.




Links to:

Table	Columns	Join
city	city_id	address.city_id = city.city_id

Links from:

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



Store table:

Key	Columns	Data type	Description
	store_id	SERIAL	A unique number (ID) that identifies Rockbuster's stores.
	manager_staff_id	SMALLINT	A unique number (ID) that identifies Rockbuster's staff.
	address_id	SMALLINT	A unique number (ID) that identifies addresses.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links to:

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

City table:

Key	Columns	Data type	Description
	city_id	SERIAL	A unique number (ID) that identifies cities.
	city	CHARACTER VARYING (50)	Name of the city.
	country_id	SMALLINT	A unique number (ID) that identifies countries.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.


Links to:

Table	Columns	Join
country	country_id	city.country_id = country.country_id

Links from:

Table	Columns	Join
address	city_id	address.city_id = city.city_id



Country table:

Key	Columns	Data type	Description
	country_id	SERIAL	A unique number (ID) that identifies Countries.
	country	CHARACTER VARYING (50)	Name of the Country.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links from:

Table	Columns	Join
city	country_id	city.country_id = country.country_id

Inventory table:

Key	Columns	Data type	Description
	inventory_id	SERIAL	A unique number (ID) that identifies items in inventory.
	film_id	SMALLINT	A unique number (ID) that identifies movies.
	store_id	SMALLINT	A unique number (ID) that identifies Rockbuster's stores.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.



Links to:

Table	Columns	Join
film	film_id	inventory.film_id = film.film_id

Links from:

Table	Columns	Join
rental	inventory_id	rental.inventory_id = inventory.inventory_id

Film table:

Key	Columns	Data type	Description
	film_id	SERIAL	A unique number (ID) that identifies movies.
	title	CHARACTER VARYING (255)	Name of the movie.
	description	TEXT	Summary of the movie plot.
	release_year	year	Year in which the movie has been released.
	language_id	SMALLINT	A unique number (ID) that identifies languages.
	rental_duration	SMALLINT	Duration of rental (in days).
	rental_rate	NUMERIC(4,2)	Price of rental.
	length	SMALLINT	Movie length (in minutes).
	replacement_cost	NUMERIC(5,2)	Cost of replacement.
	rating	mpaa_rating	Age restrictions (rating).
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.
	special_features	TEXT[]	Features such as "Trailers" or "Behind the scenes".
	fulltext	TSVECTOR	Movie tags.



Links to:

Table	Columns	Join
language	language_id	film.language_id = language.language_id

Links from:

Table	Columns	Join
film_actor	film_id	film_actor.film_id = film.film_id
inventory	film_id	inventory.film_id = film.film_id
film_categories	film_id	film_categories.film_id = film.film_id


Film_category table:

Key	Columns	Data type	Description
	film_id	SMALLINT	A unique number (ID) that identifies movies.
	category_id	SMALLINT	A unique number (ID) that identifies movie genres.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links to:

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



Category table:

Key	Columns	Data type	Description
	category_id	SERIAL	A unique number (ID) that identifies movie genres.
	name	CHARACTER VARYING (25)	Movie genre.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links from:

Table	Columns	Join
film_category	category_id	film_category.category_id = category.category_id


Film_actor table:

Name	Columns	Data type	Description
	actor_id	SMALLINT	A unique number (ID) that identifies actors.
	film_id	SMALLINT	A unique number (ID) that identifies movies.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links to:

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


Actor table:

Key	Columns	Data type	Description
	actor_id	SERIAL	A unique number (ID) that identifies actors.
	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 of the record's last update.

Links from:

Table	Columns	Join
film_actor	actor_id	film_actor.actor_id = actor.actor_id

Language table:

Key	Columns	Data type	Description
	language_id	SERIAL	A unique number (ID) that identifies languages.
	name	CHARACTER (20)	Name of the language.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the record's last update.

Links from:

Table	Columns	Join
film	language_id	film.language_id = language.language_id