

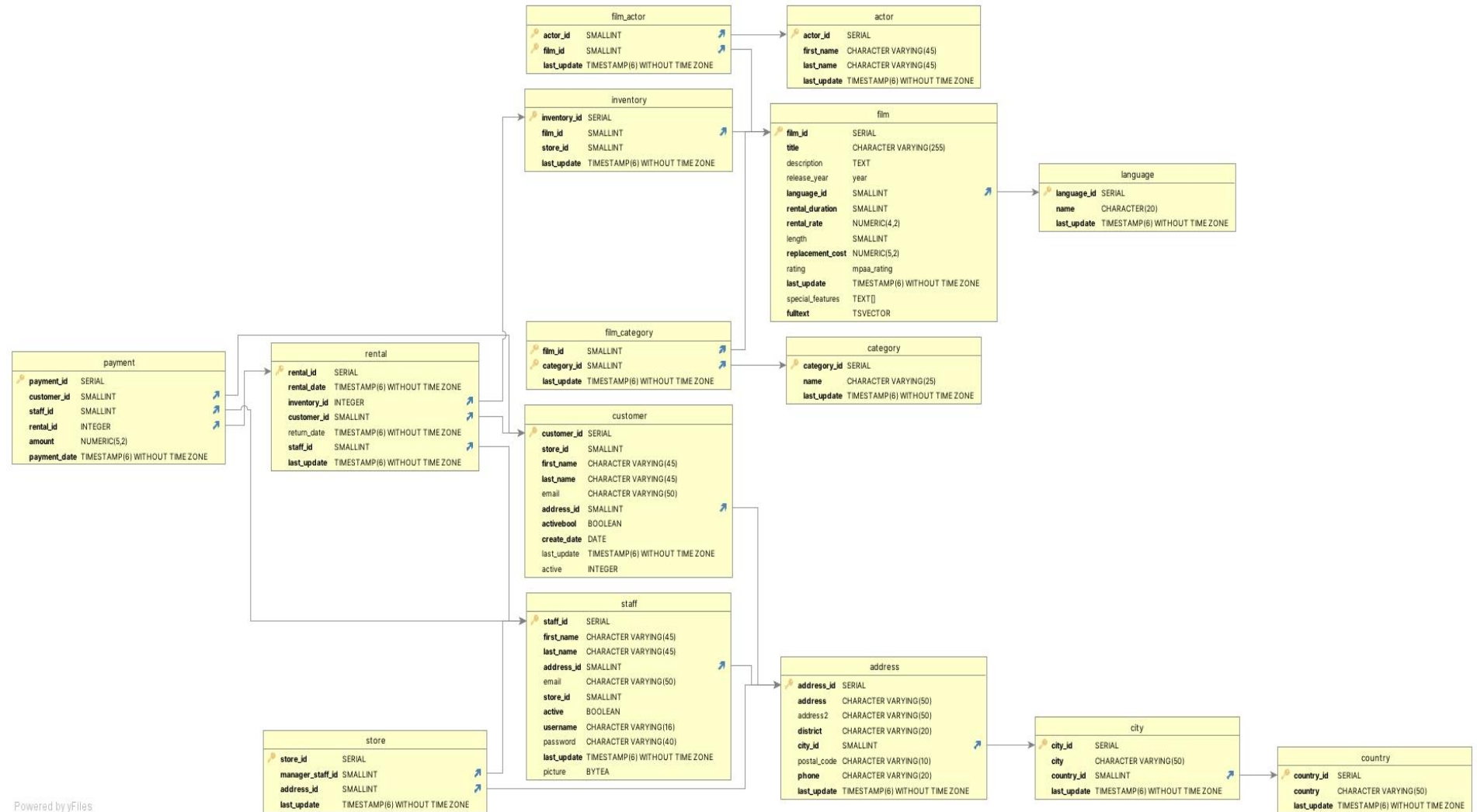


ROCKBUSTER STEALTH

DATA DICTIONARY

Table of Contents

1. ERD (Entity Relationship Diagram)	3
2. FACT TABLES	4
2.1 rental	4
2.2 payment	5
3. DIMENSION TABLES	6
3.1 customer	6
3.2 film	7
3.3 film_actor	8
3.4 film_category	8
3.5 inventory	9
3.6 actor	9
3.7 language	10
3.8 category	10
3.9 store	11
3.10 staff	12
3.11 address	13
3.12 city	14
3.13 country	14

1. ERD (Entity Relationship Diagram)

2. FACT TABLES**2.1 rental**

Columns	Data Type	Description
rental_id	SERIAL	Primary key, rental record
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Rental's date and time
inventory_id	INTEGER	Foreign key linking to inventory
customer_id	SMALLINT	Foreign key linking to customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Return rental's date and time
staff_id	SMALLINT	Foreign key linking to the staff who made the rental
last-update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update rental's date and time

links to:

Table	Join	Title/Name/Description
inventory	rental.inventory_id = inventory.inventory_id	FK_inventory_rental, Foreign key constraint referencing inventory.inventory_id
customer	rental.customer_id = customer.customer_id	FK_customer_rental, Foreign key constraint referencing customer.customer_id
staff	rental.staff_id = staff.staff_id	FK_staff_rental, Foreign key constraint referencing staff.staff_id

linked from:

Table	Join	Title/Name/Description
payment	payment.rental_id = rental.rental_id	FK_rental_payment, Foreign key constraint referencing rental.rental_id

Unique Key:

Column	Name/Description
rental_id	PK_rental, Primary key (clustered) constraint

2.2 payment

Columns	Data Type	Description
payment_id	SERIAL	Primary key payment record
customer_id	SMALLINT	Foreign Key linking to customer
staff_id	SMALLINT	Foreign key linking to the staff who made the payment
rental_id	INTEGER	Foreign key linking to the rental transaction
amount	NUMERIC(5,2)	Amount of money paid
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Payment's date and time

Links to:

Table	Join	Title/Name/Description
customer	payment.customer_id = customer.customer_id	FK_customer_payment, Foreign key constraint referencing customer.customer_id
staff	payment.staff_id = staff.staff_id	FK_staff_payment, Foreign key constraint referencing staff.staff_id
rental	payment.rental_id = rental.rental_id	FK_rental_payment, Foreign key constraint referencing rental.rental_id

Unique Key:

Column	Name/Description
payment_id	PK_payment, Primary key (clustered) constraint

3. DIMENSION TABLES**3.1 customer**

Columns	Data Type	Description
customer_id	SERIAL	Primary key customer record
store_id	SMALLINT	Foreign key linking to customer's store
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	SMALLINT	Foreign key linking to customer's address
activebool	BOOLEAN	Shows if customer is active, TRUE/FALSE
create_date	DATE	Date when customer file was created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update customer's date and time
active	INTEGER	Show if customer is active, 1/0

Links to:

Table	Join	Title/Name/Description
store	customer.store_id = store.store_id	FK_store_customer, Foreign key constraint referencing store.store_id
address	customer.address_id = address.address_id	FK_address_customer, Foreign key constraint referencing address.address_id

Linked from:

Table	Join	Title/Name/Description
payment	payment.customer_id = customer.customer_id	FK_customer_payment, Foreign key constraint referencing customer.customer_id
rental	rental.customer_id = customer.customer_id	FK_customer_rental, Foreign key constraint referencing customer.customer_id

Unique Key:

Column	Name/Description
customer_id	PK_customer, Primary key (clustered) constraint

3.2 film

Columns	Data Type	Description
film_id	SERIAL	Primary key film record
title	CHARACTER VARYING(255)	Title of the film
descripton	TEXT	Description of the film
release_year	YEAR	Year the film was released
language_id	SMALLINT	Foreign key linking to the language of the film
rental_duration	SMALLINT	Duration the movie has been rented?
rental_rate	NUMERIC(4,2)	Rate the film has been rented? times/duration in days?
lenght	SMALLINT	Length of the film in minutes
replacemnt_cost	NUMERIC(5,2)	Cost of replacement if lost or damaged
rating	MPAA_RATING	Rate the suitability of the movie for certain audiences by MPAA
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the film record
special_features	TEXT	Special features of the filma such as trailers, commentaries etc.
fulltext	TSVECTOR	Search vector for the film. Words that can be used to relate to the film

Links to:

Table	Join	Title/Name/Description
language	film.language_id = language.language_id	FK_language_film, Foreign key constraint referencing language.language_id

Linked from:

Table	Join	Title/Name/Description
inventory	inventory.film_id = film.film_id	FK_film_inventory, Foreign key constraint referencing film.film_id
film_actor	film_actor.film_id = film.film_id	FK_film_film_actor, Foreign key constraint referencing film.film_id
film_category	film_category.film_id = film.film_id	FK_film_film_category, Foreign key constraint referencing film.film_id

Unique Key:

Column	Name/Description
film_id	PK_film, Primary key (clustered) constraint

3.3 film_actor

Columns	Data Type	Description
actor_id	SMALLINT	Foreign key linking to actor
film_id	SMALLINT	Foreign key linking to film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the film_actor record

Links to:

Table	Join	Title/Name/Description
actor	film_actor.actor_id = actor.actor_id	FK_actor_film_actor, Foreign key constraint referencing actor.actor_id
film	film_actor.film_id = film.film_id	FK_film_film_actor, Foreign key constraint referencing film.film_id

Unique Keys:

Columns	Name/Description
actor_id, film_id	PK_film_actor, Composite primary key (clustered) constraint

3.4 film_category

Columns	Data Type	Description
film_id	SMALLINT	Foreign key linking to film
category_id	SMALLINT	Foreign key linking to category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the film_category record

Links to:

Table	Join	Title/Name/Description
film	film_category.film_id = film.film_id	FK_film_film_category, Foreign key constraint referencing film.film_id
category	film_category.category_id = category.category_id	FK_category_film_category, Foreign key constraint referencing category.category_id

Unique Keys:

Columns	Name/Description
film_id, category_id	PK_film_category, Composite primary key (clustered) constraint

3.5 inventory

Columns	Data Type	Description
inventory_id	SERIAL	Primary key inventory record
film_id	SMALLINT	Foreign key linking to the film
store_id	SMALLINT	Foreign key linking to the store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the inventory

Links to:

Table	Join	Title/Name/Description
film	inventory.film_id = film.film_id	FK_film_inventory, Foreign key constraint referencing film.film_id
store	inventory.store_id = store.store_id	FK_store_inventory, Foreign key constraint referencing store.store_id

Linked from:

Table	Join	Title/Name/Description
rental	rental.inventory_id = inventory.inventory_id	FK_inventory_rental, Foreign key constraint referencing inventory.inventory_id

Unique Key:

Columns	Name/Description
inventory_id	PK_inventory, Primary key (clustered) constraint

3.6 actor

Columns	Data Type	Description
actor_id	SERIAL	Primary key actor record
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	Last update of the actor's record

Linked from:

Table	Join	Title/Name/Description
film_actor	film_actor.actor_id = actor.actor_id	FK_actor_film_actor, Foreign key constraint referencing actor.actor_id

Unique Key:

Columns	Name/Description
actor_id	PK_actor, Primary key (clustered) constraint

3.7 language

Columns	Data Type	Description
language_id	SERIAL	Primary key language record
name	CHARACTER(20)	Language's name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the language's record

Linked from:

Table	Join	Title/Name/Description
film	film.language_id = language.language_id	FK_language_film, Foreign key constraint referencing language.language_id

Unique Key:

Columns	Name/Description
language_id	PK_language, Primary key (clustered) constraint

3.8 category

Columns	Data Type	Description
category_id	SERIAL	Primary key category record
name	CHARACTER VARYING(25)	Category's name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the category's record

Linked from:

Table	Join	Title/Name/Description
film_category	film_category.category_id = category.category_id	FK_category_film_category, Foreign key constraint referencing category.category_id

Unique Key:

Columns	Name/Description
category_id	PK_category, Primary key (clustered) constraint

3.9 store

Columns	Data Type	Description
store_id	SERIAL	Primary key store record
manager_staff_id	SMALLINT	Foreign key linking to the manager of the store
address_id	SMALLINT	Foreign key linking to the address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the store's record

Links to:

Table	Join	Title/Name/Description
address	store.address_id = address.address_id	FK_address_store, Foreign key constraint referencing address.address_id
staff	store.manager_staff_id = staff.staff_id	FK_staff_store, Foreign key constraint referencing staff.staff_id

Linked from:

Table	Join	Title/Name/Description
customer	customer.store_id = store.store_id	FK_store_customer, Foreign key constraint referencing store.store_id
inventory	inventory.store_id = store.store_id	FK_store_inventory, Foreign key constraint referencing store.store_id
staff	staff.store_id = store.store_id	FK_store_staff, Foreign key constraint referencing store.store_id

Unique Key:

Column	Name/Description
store_id	PK_store, Primary key (clustered) constraint

3.10 staff

Columns	Data Type	Description
staff_id	SERIAL	Primary key staff record
first_name	CHARACTER VARYING(45)	Staff member's first name
last_name	CHARACTER VARYING(45)	Staff member's last name
address_id	SMALLINT	Foreign key linking to address
email	CHARACTER VARYING(50)	Staff member's email address
store_id	SMALLINT	Foreign key linking to store
active	BOOLEAN	Shows if member is active, true/false
username	CHARACTER VARYING(16)	Staff member's username
password	CHARACTER VARYING(40)	Staff member's password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the staff's record
picture	BYTEA	Staff member's picture

Links to:

Table	Join	Title/Name/Description
address	staff.address_id = address.address_id	FK_address_staff, Foreign key constraint referencing address.address_id
store	staff.store_id = store.store_id	FK_store_staff, Foreign key constraint referencing store.store_id

Linked from:

Table	Join	Title/Name/Description
payment	payment.staff_id = staff.staff_id	FK_staff_payment, Foreign key constraint referencing staff.staff_id
rental	rental.staff_id = staff.staff_id	FK_staff_rental, Foreign key constraint referencing staff.staff_id
store	store.manager_staff_id = staff.staff_id	FK_staff_store, Foreign key constraint referencing staff.staff_id

Unique key:

Column	Name/Description
staff_id	PK_staff, Primary key (clustered) constraint

3.11 address

Columns	Data Type	Description
address_id	SERIAL	Primary key address record
address	CHARACTER VARYING(50)	Address main information
address2	CHARACTER VARYING(50)	Address secondary information
district	CHARACTER VARYING(20)	Address district
city_id	SMALLINT	Foreign key linking to city
postal_code	CHARACTER VARYING(10)	Address postal code
phone	CHARACTER VARYING(20)	Phone number of the address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the address's record

Links to:

Table	Join	Title/Name/Description
city	address.city_id = city.city_id	FK_city_address, Foreign key constraint referencing city.city_id

Linked from:

Table	Join	Title/Name/Description
customer	customer.address_id = address.address_id	FK_address_customer, Foreign key constraint referencing address.address_id
staff	staff.address_id = address.address_id	FK_address_staff, Foreign key constraint referencing address.address_id
store	store.address_id = address.address_id	FK_address_store, Foreign key constraint referencing address.address_id

Unique Key:

Column	Name/Description
address_id	PK_address, Primary key (clustered) constraint

3.12 city

Columns	Data Type	Description
city_id	SERIAL	Primary key city record
city	CHARACTER VARYING(50)	City's name
country_id	SMALLINT	Foreing key linking to country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the city's record

Links to:

Table	Join	Title/Name/Description
country	city.country_id = country.country_id	FK_country_city, Foreign key constraint referencing country.country_id

Linked from:

Table	Join	Title/Name/Description
address	address.city_id = city.city_id	FK_city_address, Foreign key constraint referencing city.city_id

Unique Key:

Column	Name/Description
city_id	PK_city, Primary key (clustered) constraint

3.13 country

Columns	Data Type	Description
country_id	SERIAL	Primary key country record
country	CHARACTER VARYING(50)	Country's name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the country's record

Linked from:

Table	Join	Title/Name/Description
city	city.country_id = country.country_id	FK_country_city, Foreign key constraint referencing country.country_id

Unique Key:

Column	Name/Description
country_id	PK_country, Primary key (clustered) constraint