ROCKBUSTER STEALTH

DATA DICTIONARY

By Ivan Tzesnits

Date:29.09.2023
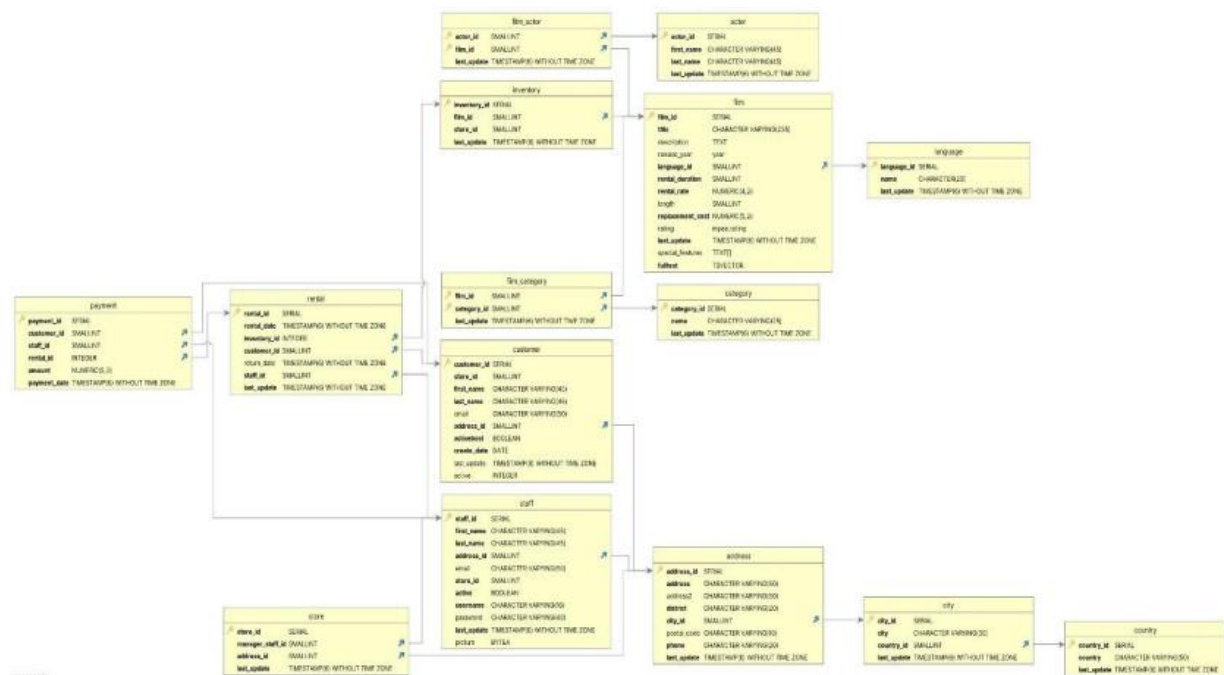
1. ROCKBUSTER STEALTH

Rockbuster Stealth dataset contains information about the company's movie inventory, customers, and payments, among other things.

2. Legends

3. Entity Relationship Diagram

4. Tables
4.1 Fact Tables: payment

	Column name	Data type	Description
🔑	payment_id	serial	Unique payment identifier.
🔗	customer_id	smallint	Unique customer identifier.
🔗	staff_id	smallint	Unique staff member identifier.
🔗	rental_id	integer	Unique rental identifier.
	amount	numeric (5, 2)	Amount paid for rental (in USD).
	payment_date	timestamp (6) without time zone	Date and time of payment.

LINKS TO	
Table name	**Join**
customer	**payment**.customer_id = customer.customer_id
rental	**payment**.rental_id = rental.rental_id
staff	**payment**.staff_id = staff.staff_id

LINKED FROM	
Table name	**Join**
N/A	N/A

4.2 Table: rental

COLUMNS			
	Column name	**Data type**	**Description**
🔑	rental_id	serial	Unique rental identifier.
	rental_date	timestamp (6) without time zone	Date and time of start of the rental.
➤	inventory_id	smallint	Unique inventory identifier.
➤	customer_id	smallint	Unique customer identifier.
	return_date	timestamp (6) without time zone	Date and time of end of the rental.
➤	staff_id	smallint	Unique staff member identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	**Join**
customer	**rental**.customer_id = customer.customer_id
inventory	**rental**.inventory_id = inventory.inventory_id
staff	**rental**.staff_id = staff.staff_id

LINKED FROM	
Table name	**Join**
payment	**rental**.rental_id = payment.rental_id

5. Dimension tables\
   5.1 Table: actor

COLUMNS			
	Column name	**Data type**	**Description**
🔑	actor_id	serial	Unique actor identifier.
	first_name	character varying (45)	First name of an actor.
	last_name	character varying (45)	Last name of an actor.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	**Join**
N/A	N/A

LINKED FROM	
Table name	**Join**
film_actor	**actor**.actor_id = film_actor.actor_id

5.2 Table: address

COLUMNS			
	Column name	**Data type**	**Description**
🔑	address_id	serial	Unique address identifier.
	address	character varying (50)	Primary address.
	address2	character varying (50)	Second address.
	district	character varying (20)	Address district.
➤	city_id	smallint	Unique city identifier.
	postal_code	character varying (10)	Address postal code.
	phone	character varying (20)	Phone number.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	**Join**
city	**address**.city_id = city.city_id
LINKED FROM	
Table name	**Join**
customer	**address**.address_id = customer.address_id
staff	**address**.address_id = staff.address_id
store	**address**.address_id = store.address_id

5.3 Table: category

COLUMNS			
	Column name	**Data type**	**Description**
🔑	category_id	serial	Unique film category identifier.
	name	character varying (25)	Name of the film category.
	last_update	timestamp (6) without time zone	Date and time of last information update.
LINKS TO			
Table name	**Join**		
N/A	N/A		
LINKED FROM			
Table name	**Join**		
film_category	**category**.category_id = film_category.category_id		

5.4 Table: city

COLUMNS			
	Column name	**Data type**	**Description**
🔑	city_id	serial	Unique city identifier.
	city	character varying (50)	Name of the city.
➤	country_id	smallint	Unique country identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.
LINKS TO			
Table name		**Join**	
country		**city**.country_id =country.country_id	
LINKED FROM			
Table name		**Join**	
address		**city**.city_id =address.city_id	

5.5. Table: country

COLUMNS			
	Column name	**Data type**	**Description**
🔑	country_id	serial	Unique country identifier.
	country	character varying (50)	Name of the country.
	last_update	timestamp (6) without time zone	Date and time of last information update.
LINKS TO			
Table name		**Join**	
N/A		N/A	
LINKED FROM			
Table name		**Join**	
city		**country**.country_id = city.country_id	

5.6 Table: customer

COLUMNS			
	Column name	**Data type**	**Description**
🔑	customer_id	serial	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	smallint	Unique address identifier.
	activebool	boolean	Customer's active status (true or false).
	create_date	date	Date of customer's profile creation (format yyyy-mm-dd).
	last_update	timestamp (6) without time zone	Date and time of last information update.
	active	integer	Customer's active status (0 or 1)

LINKS TO	
Table name	**Join**
address	**customer**.address_id = address.address_id

LINKED FROM	
Table name	**Join**
payment	**customer**.customer_id = payment.customer_id =
rental	**customer**.customer_id = rental.customer_id =

5.7 Table: film

COLUMNS

	Column name	Data type	Description
🔑	film_id	serial	Unique film identifier.
	title	character varying (255)	Title of the movie.
	description	text	One sentence description of the movie synopsis.
	release year	year	Release year of the film (yyyy).
➹	language_id	smallint	Unique language identifier.
	rental_duration	smallint	Duration of rental in days.
	rental_rate	numeric (4, 2)	Cost of rental (in USD).
	length	smallint	Length of the movie (in minutes).
	replacement_cost	numeric (5, 2)	Cost of replacing copy of the movie (in USD).
	rating	mpaa_rating	Rating of the movie (G, NC-17, PG, PG-13, R)
	last_update	timestamp (6) without time zone	Date and time of last information update.
	special_features	text []	Special features of particular movie copy. Possible features: "Behind the scenes", Commentaries, "Deteted scenes", Trailers.
	fulltext	tsvector	Searching vector used for description of the movie.

LINKS TO

Table name	Join
language	**film**.language_id = language.language_id

LINKED FROM

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

5.8 Table: film_actor

COLUMNS

	Column name	Data type	Description
🔑➹	actor_id	smallint	Unique actor identifier.
🔑➹	film_id	smallint	Unique movie identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO

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

LINKED FROM

Table name	Join
N/A	N/A

5.9 Table: film_category

	Column name	Data type	Description
🔑🖱	film_id	smallint	Unique movie identifier.

	Column name	Data type	Description
🔑🖱	category_id	smallint	Unique category identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO

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

LINKED FROM

Table name	Join
N/A	N/A

5.10 Table: inventory

COLUMNS

	Column name	Data type	Description
🔑	inventory_id	serial	Unique inventory identifier.
🖱	film_id	smallint	Unique movie identifier.
	store_id	smallint	Unique store identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO

Table name	Join
film	**inventory**.film_id = film.film_id

LINKED FROM

Table name	Join
rental	**inventory**.inventory_id = rental.inventory_id

5.11 Table: language

	COLUMNS		
	Column name	**Data type**	**Description**
🔑	language_id	serial	Unique language identifier.
	name	character (20)	Name of the language.
	last_update	timestamp (6) without time zone	Date and time of last information update.
	LINKS TO		
	Table name	**Join**	
	N/A	N/A	
	LINKED FROM		
	Table name	**Join**	
	film	**language**.language_id = film.language_id	

5.12 Table: staff

	COLUMNS		
	Column name	**Data type**	**Description**
🔑	staff_id	serial	Unique staff member identifier.
	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 identifier.
	email	character varying (50)	Staff member's email address.
	store_id	smallint	Unique store identifier.
	active	boolean	Active status of staff member (true or false).
	username	character varying (16)	Login username for particular staff member.
	pasword	character varying (40)	Login password for particular staff member.
	last_update	timestamp (6) without time zone	Date and time of last information update.
	picture	bytea	Staff member's picture.

LINKS TO	
Table name	**Join**
address	**staff**.address_id = address.address_id
LINKED FROM	
Table name	**Join**
payment	**staff**.staff_id = payment.staff_id
rental	**staff**.staff_id = rental.staff_id
store	**staff**.staff_id = store.staff_id

5.13 Table:

Table name:	store COLUMNS		
	Name	**Data type**	**Description**
🔑	store_id	serial	Unique store identifier.
⬉	manager_staff_id	smallint	Unique manager of staff identifier.
⬉	address_id	smallint	Unique store address identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	**Join**
address	**store**.address_id = address.address_id
staff	**store**.manager_staff_id = staff.staff_id

LINKED FROM	
Table name	**Join**
N/A	N/A