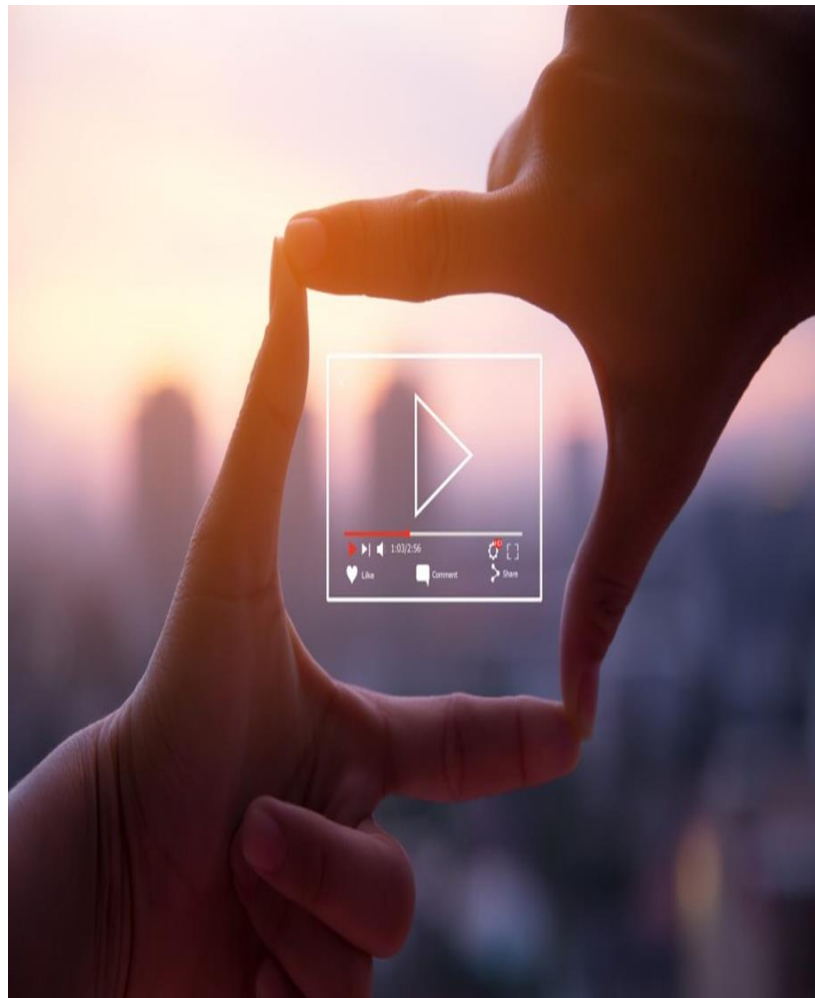


# **ROCKBUSTER STEALTH LLC DATA DICTIONARY**



PRESENTED BY: VICTOR MBOGU

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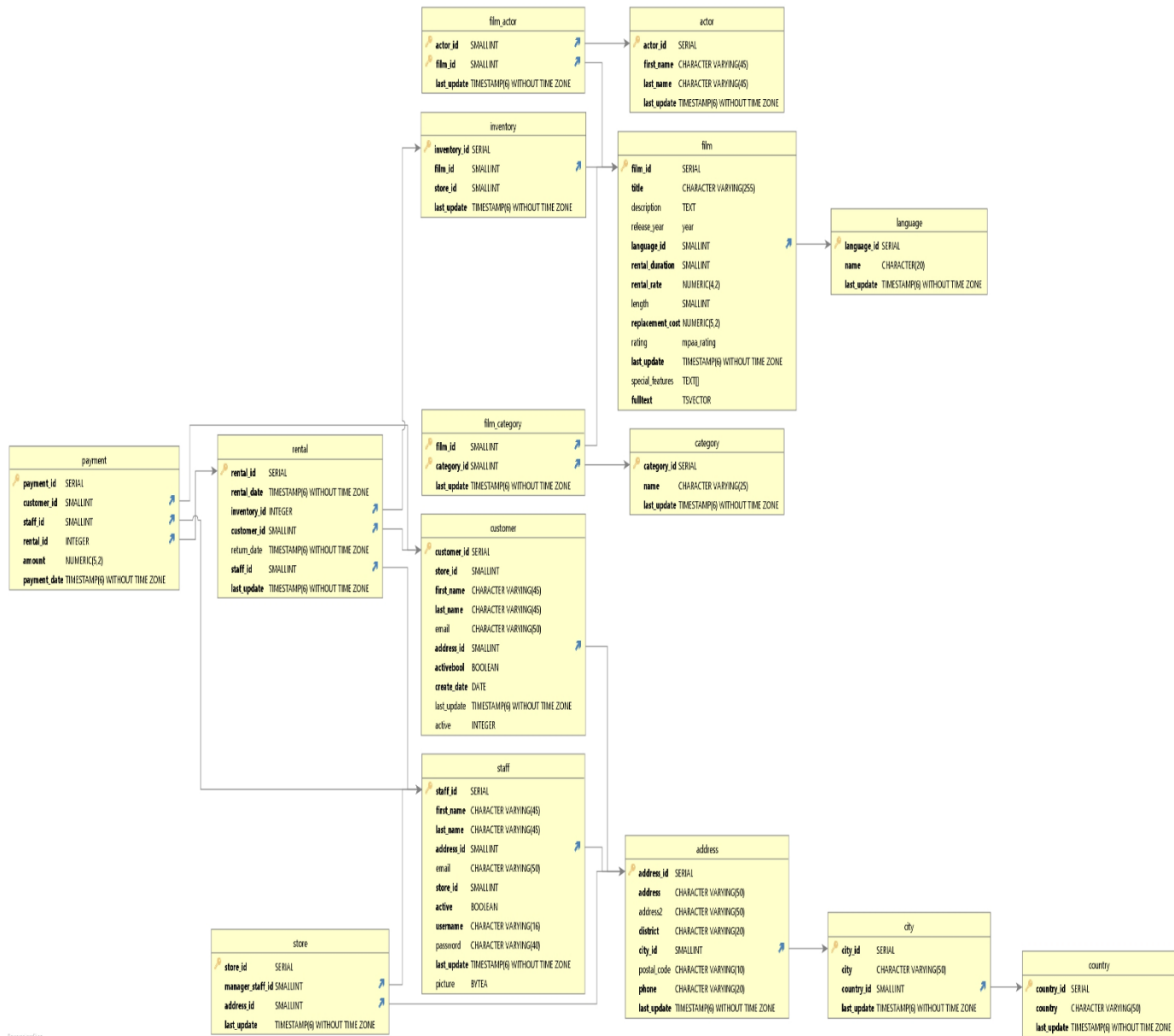
# Table of Contents

1.1.	Legend.....	
2.1.	Rockbuster Entity Relationship Diagram (ERD).....	
3.1.	Tables.....	
3.1.	Payment.....	
3.2.	Film_actor.....	
3.3.	Film_category.....	
3.4.	Store.....	
3.5.	Rental.....	
3.6.	Customer.....	
3.7.	Address.....	
3.8.	Staff.....	
3.9.	City.....	
3.10.	Country.....	
3.11.	Inventory.....	
3.12.	Actor.....	
3.13.	Film.....	
3.14.	Language .....	
3.15.	Category.....	

## 1.1 - Primary key(yellow)

## 2.1 - Foreign key(green)

### Rockbuster Entity Relationship Diagram (ERD)



The Entity relationship diagram (ERD) has a snowflake schema because it has so many sub-dimensions.

## Facts Tables

### 3.1 - Payment

PAYMENT		
Columns	Data Type	Description
payment_id	SERIAL	Number assigned to payment
customer_id	SMALLINT	Number assigned to rental
staff_id	SMALLINT	Number assigned to rental
rental_	INTEGER	Number assigned to rental
amount	NUMERIC(5,2)	amount of payment
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment last updated

#### Linked to

Table	Key Type	Join
rental	Foreign	payment.rental=rental.rental_id
customer	Foreign	payment.customer_id=customer.customer_id
staff	Foreign	payment.staff_id=staff.staff_id

## 3.2 - Film\_actor

FILM_ACTOR		
Columns	Data Type	Description
actor_id	SMALLINT	Number assigned to actor
film_id	SMALLINT	Number assigned to film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of actor last updated

### Linked with

Table	Key Type	Join
actor	Primary, Foreign	film.category.film_id = film.film_id
film	Primary, Foreign	film.category.category_id=category.category_id

## 3.3 - Film\_category

FILM_CATEGORY		
Columns	Data Type	Description
film_id	SERIAL	Number assigned to film
category_id	SMALLINT	Number assigned to category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of film last updated

### Linked with

Table	Key Type	Join
film	Primary, Foreign	Film_category.film_id = film.film_id

category	Primary, Foreign	Film_category.category_id = category.category_id
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## 3.4 - Store

STORE		
Columns	Data Type	Description
store_id	SERIAL	Number assigned to store
manager_staff_id	SMALLINT	Number assigned to manager
address_id	SMALLINT	Number assigned to address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of store last updated

### Linked to

Table	Key Type	Join
staff	Foreign	store.manager_staff_id=staff.staff_id
address	Foreign	store.address_id=address.address_id

## Dimension Tables

### 3.5 - RENTAL

RENTAL		
Columns	Data Type	Description
Rental_id	SERIAL	Number assigned to rental
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental last updated
Inventory_id	INTEGER	Number assigned to inventory
Customer_id	SMALLINT	Number assigned to customer
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of return last updated
Staff_id	SMALLINT	Number assigned to staff
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental last updated

#### Linked to

Table	Key Type	Join
inventory	Foreign	rental.inventory_id=inventory.inventory_id
customer	Foreign	rental.customer_id=customer.customer_id
staff	Foreign	rental.staff_id=staff.staff_id

#### Linked from

Table	Key Type	Join
payment	Primary	payment.rental_id=rental.rental_id

## 3.6 - Customer

CUSTOMER		
Columns	Data Type	Description
Customer_id	SERIAL	Number assigned to customer
Store_id	SMALLINT	Number assigned to store
First_name	CHARACTER VARYING(45)	Name assigned to the customer
Last_name	CHARACTER VARYING(45)	Name assigned to customer
Email	CHARACTER VARYING(45)	Email assigned to language
Address_id	SMALLINT	Address assigned to address
Activebool	BOOLEAN	If customer is active?
Create_date	DATE	Date entry created
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of customer last updated
active	INTEGER	Is customer active?

### Linked to

Table	Key Type	Join
address	Foreign	customer.address_id = address.address_id



#### Linked from

Table	Key Type	Join
rental	Primary	rental.rental_id = customer.rental_id
payment	Primary	payment.customer_id=customer.customer_id

### 3.7 - Address

ADDRESS		
Columns	Data Type	Description
address_id	SERIAL	Number assigned to address
address	CHARACTER VARYING(50)	Street address
Address2	CHARACTER VARYING(50)	Second street address
District	CHARACTER VARYING(20)	Address district
City_id	SMALLINT	Address city
Postal_code	CHARACTER VARYING(10)	Address postal code
phone	CHARACTER VARYING(20)	Phone number of staff
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of address of staff last updated

#### Linked to

Table	Key Type	Join
city	Foreign	address.city_id=city.city_id

## Linked from

Table	Key Type	Join
customer	Foreign	customer.address_id=address.address_id
staff	Foreign	staff.address_id=address.address_id

## 3.8 - Staff

STAFF		
Columns	Data Type	Description
staff_id	SERIAL	Number assigned to staff
First_name	CHARACTER VARYING(45)	Name of the staff
Last_name	CHARACTER VARYING(45)	Name of the staff
Address_id	SMALLINT	Staff's address
Email	CHARACTER VARYING(50)	Staff's email
Store_id	SMALLINT	Number assigned to store
Active	BOOLEAN	If staff is active?
Username	CHARACTER VARYING(40)	Staff's username
password	CHARACTER VARYING(40)	Staff's password
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of staff's last updated
Picture	BYTEA	Staff's picture

### Linked to

Table	Key Type	Join
address	Foreign	staff.address_id=address.address_id

### Linked from

Table	Key Type	Join
rental	Primary	rental.staff_id=staff.staff_id
payment	Primary	payment.staff_id=staff.staff_id
store	Primary	store.manager_staff_id=staff.staff_id

## 3.9 - City

CITY		
Columns	Data Type	Description
city_id	SERIAL	Number assigned to city
city	CHARACTER VARYING(50)	Name of city
Country_id	SMALLINT	Name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of city last updated

### Linked to

Table	Key Type	Join
country	Foreign	city.country_id=country.country_id

### Linked from

Table	Key Type	Join
address	Primary	address.city_id=city.city_id

### 3.10 - Country

COUNTRY		
Columns	Data Type	Description
country_id	SERIAL	Number assigned to country
Country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of country last updated

#### Linked from

Table	Key Type	Join
city	Primary	city.city_id=country.city_id

### 3.11 - Inventory

INVENTORY		
Columns	Data Type	Description
inventory_id	SERIAL	Number assigned to Inventory
Film_id	SMALLINT	Number assigned to film
Store_id	SMALLINT	Number assigned to store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of inventory last updated

#### Linked to

Table	Key Type	Join
film	Foreign	inventory.film_id = film.film_id

### Linked from

Table	Key Type	Join
rental	Primary	rental.inventory_id=inventory.inventory_id

## 3.12 - Actor

ACTOR		
Columns	Data Type	Description
actor_id	SERIAL	Number assigned to actor
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 of actor last updated

### Linked from

Table	Key Type	Join
film_actor	Primary	film_actor.actor_id = actor.actor_id

## 3.13 - Film

FILM		
Columns	Data Type	Description
film_id	SERIAL	Number assigned to film
title	CHARACTER	Title of film

	VARYING(255)	
description	TEXT	Description of film
Release_year	Year	Release year of film
Language_id	SMALLINT	Number assigned to film
Rental_duration	SMALLINT	Rental duration of film
Rental_rate	NUMERIC(4,2)	Rental rate of film
length	SMALLINT	Length of film
Replacement_cost	NUMERIC(5,2)	Replacement cost of film
rating	Mpaa_rating	Rating of film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of film's last updated
Special_features	TEXT[]	Description of what special features are included in the film
fulltext	TSVECTOR	Summary of text describing film

### Linked to

Table	Key Type	Join
language	Foreign	Film.language_id = language.language_id

### Linked from

Table	Key Type	Join
inventory	Primary	inventory.film_id = film.film_id
film_category	Primary	film_category.film_id=film.film_id
film_actor	Primary	film_actor.film_id=film.film_id

### 3.14 - Language

LANGUAGE		
Columns	Data Type	Description
language_id	SERIAL	Number assigned to language
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of language last updated

#### Linked from

Table	Key Type	Join
film	Primary	film.language_id = language.language_id

### 3.15 - category

CATEGORY		
Columns	Data Type	Description
category_id	SERIAL	Number assigned to film
name	CHARACTER(25)	Name of category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date category last updated

## Linked from

Table	Key Type	Join
customer	Primary	Film_category.category_id = category.category_id