

A thick dark blue vertical bar on the left side of the page. A blue arrow points to the right from the bar, containing the date.

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# Rockbuster Stealth

DATA DICTIONARY

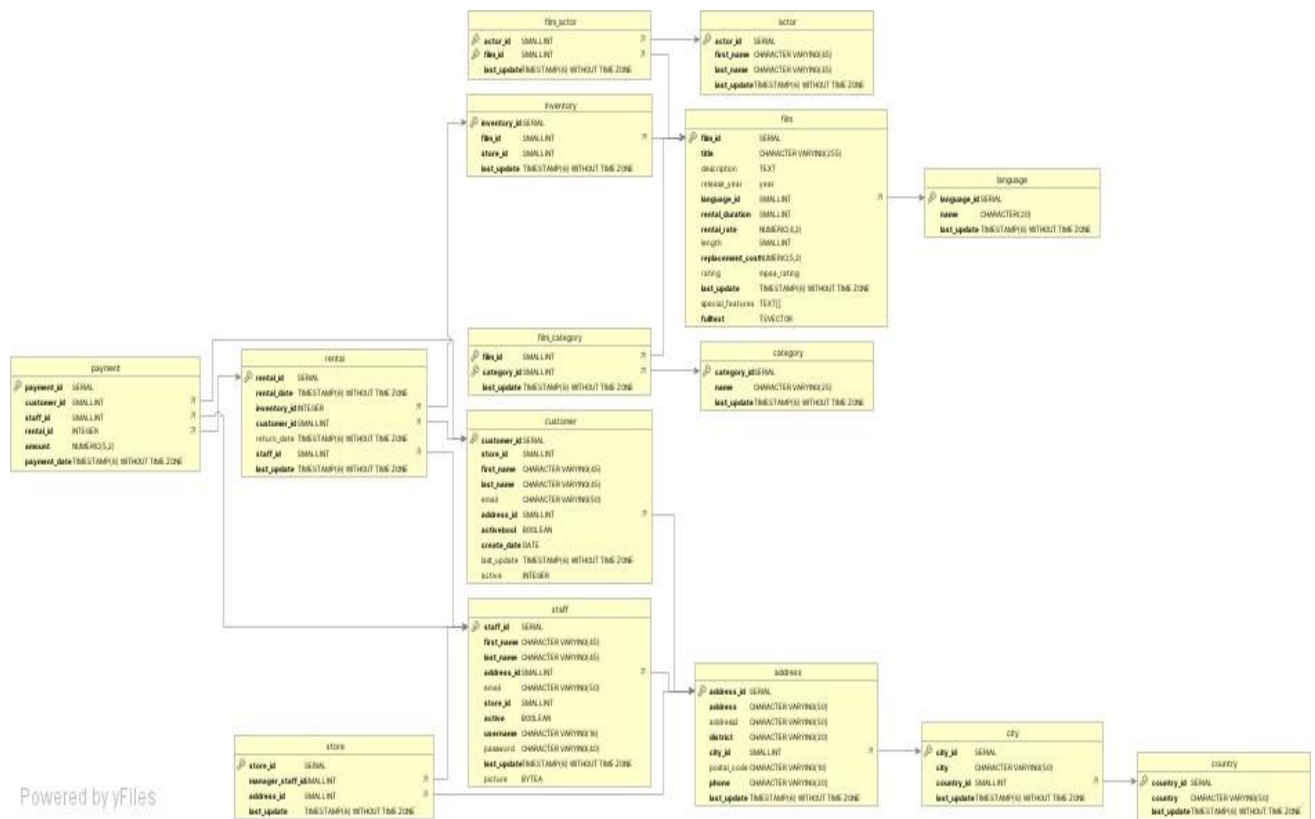
Several thin, curved lines in shades of blue and grey that originate from the bottom left and sweep upwards and to the right.

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## 1 Entity relationship diagram:







Schema Type: this is a Snowflake schema. The fact tables “payment” and “rental” are surrounded by dimensions such as film actor, inventory, customer, film\_category, staff, ect and then by sub-dimension tables.

## 2 Legend






	Primary Key
	Foreign Key

## 3 Fact tables:

### 3.1 Payment:


Columns	Data Type	Description
Payment_id 	SERIAL	Unique identifier for the payment.
Customer_id 	SMALLINT	Foreign key linking to the customer table, specifying the customer who made the payment.
Staff_id 	SMALLINT	Foreign key linking to the staff table
Rental_id 	INTEGER	Foreign key linking to the rental table
amount	NUMERIC(5,2)	The amount paid
Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the payment was made

### 3.2 Rental :



Columns		Data Type	Description
Rental_id		SMALLINT	Unique identifier for the rental
Rental_date		TIMESTAMP WITHOUT TIME ZONE	Date and time when the rental was made
Inventory_id		SMALLINT	Foreign key linking to the inventory table
Customer_id		SMALLINT	Foreign key linking to the customer table
Return_date		TIMESTAMP WITHOUT TIME ZONE	Date and time when the rental was returned
Staff_id		SMALLINT	Foreign key linking to the staff table
Last_update		TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated

### 4 Dimension tables:





#### 4.1 Actor:

Columns		Data type	Description
Actor_id		SMALLINT	Unique identifier for the actor
first_name		CHARACTER VARYING(45)	First name of the actor
Last_name		CHARACTER VARYING(45)	Last name name of the actor
last_update		TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated


#### 4.2 Film:

Columns		Data type	Description
film_id		SMALLINT	Unique identifier for the film
title		CHARACTER VARYING(255)	Title of the film
description		TEXT	Description of the film
release_year		SMALLINT	Year the film was released
language_id		SMALLINT	Foreign key linking to the language table
rental_duration		SMALLINT	Duration for which the film can be rented
rental_rate		NUMERIC(4,2)	Rental rate for the film
length		SMALLINT	Length of the film in minutes
replacement_cost		NUMERIC(5,2)	Replacement cost of the film
rating		CHARACTER VARYING(10)	Rating of the film
last_update		TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated
special_features		TEXT[]	Special features of the film
fulltext		TSVECTOR	Full text search vector for the film

#### 4.3 Film category:


Columns		Data type	Description
film_id	 	SMALLINT	Foreign key linking to the film table
category_id	 	SMALLINT	Foreign key linking to the category table
last_update		TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated

#### 4.4 Category:




Columns		Data type	Description
category_id		SMALLINT	Unique identifier for the category
name		CHARACTER VARYING(25)	Name of the category

last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated
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#### 4.5 Language:

Columns	Data type	Description
language_id 	SMALLINT	Unique identifier for the language
name	CHARACTER VARYING(20)	Name of the language
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated




#### 4.6 Inventory:

Columns	Data type	Description
inventory_id 	SMALLINT	Unique identifier for the inventory item
film_id 	SMALLINT	Foreign key linking to the film table
store_id 	SMALLINT	Foreign key linking to the store table
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated




#### 4.7 Store:

Columns	Data type	Description
store_id 	SMALLINT	Unique identifier for the store
manager_staff_id 	SMALLINT	Foreign key linking to the staff table for the store manager
address_id 	SMALLINT	Foreign key linking to the address table
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated



#### 4.8 Staff:

Columns	Data type	Description
staff_id 	SMALLINT	Unique identifier for the staff member
first_name	CHARACTER VARYING(45)	First name of the staff member
Last_name	CHARACTER VARYING(45)	Last name name of the staff member
address_id 	SMALLINT	Foreign key linking to the address table
email	CHARACTER VARYING(50)	Email of the staff member
store_id 	SMALLINT	Foreign key linking to the store table
active	BOOLEAN	Indicates if the staff member is active
username	CHARACTER VARYING(16)	Username for the staff member
password	CHARACTER VARYING(40)	Password for the staff member
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated
Picture	BYTEA	Picture of the staff member



#### 4.9 Customer:

Columns	Data type	Description
customer_id 	SMALLINT	Unique identifier for the customer
store_id 	SMALLINT	Foreign key linking to the store table
first_name	CHARACTER VARYING(45)	First name of the customer
Last_name	CHARACTER VARYING(45)	Last name name of the customer
email	CHARACTER VARYING(50)	Email of the customer
address_id 	SMALLINT	Foreign key linking to the address table
activebool	BOOLEAN	Indicates if the customer is active
create_date	TIMESTAMP WITHOUT TIME ZONE	Date when the customer record was created
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated
active	INTEGER	Active status of the customer


#### 4.10 Address:

Columns	Data type	Description
address_id 	SMALLINT	Unique identifier for the address
address	CHARACTER VARYING(50)	The street address
address2	CHARACTER VARYING(50)	Additional address information
district	CHARACTER VARYING(20)	District or region
city_id 	SMALLINT	Foreign key linking to the city table
postal_code	CHARACTER VARYING(10)	Postal code
phone	CHARACTER VARYING(20)	Phone number
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated





#### 4.11 City:

Columns	Data type	Description
city_id 	SMALLINT	Unique identifier for the city
city	CHARACTER VARYING(50)	Name of the city
country_id 	SMALLINT	Foreign key linking to the country table
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated

#### 4.12 Country:

Columns	Data type	Description
country_id 	SMALLINT	Unique identifier for the country
country	CHARACTER VARYING(50)	Name of the country
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated

#### 4.13 Film\_actor:

Columns	Data type	Description
actor_id  	SMALLINT	Foreign key linking to the actor table
film_id  	SMALLINT	Foreign key linking to the film table
last_update	TIMESTAMP WITHOUT TIME ZONE	The last time the record was updated