

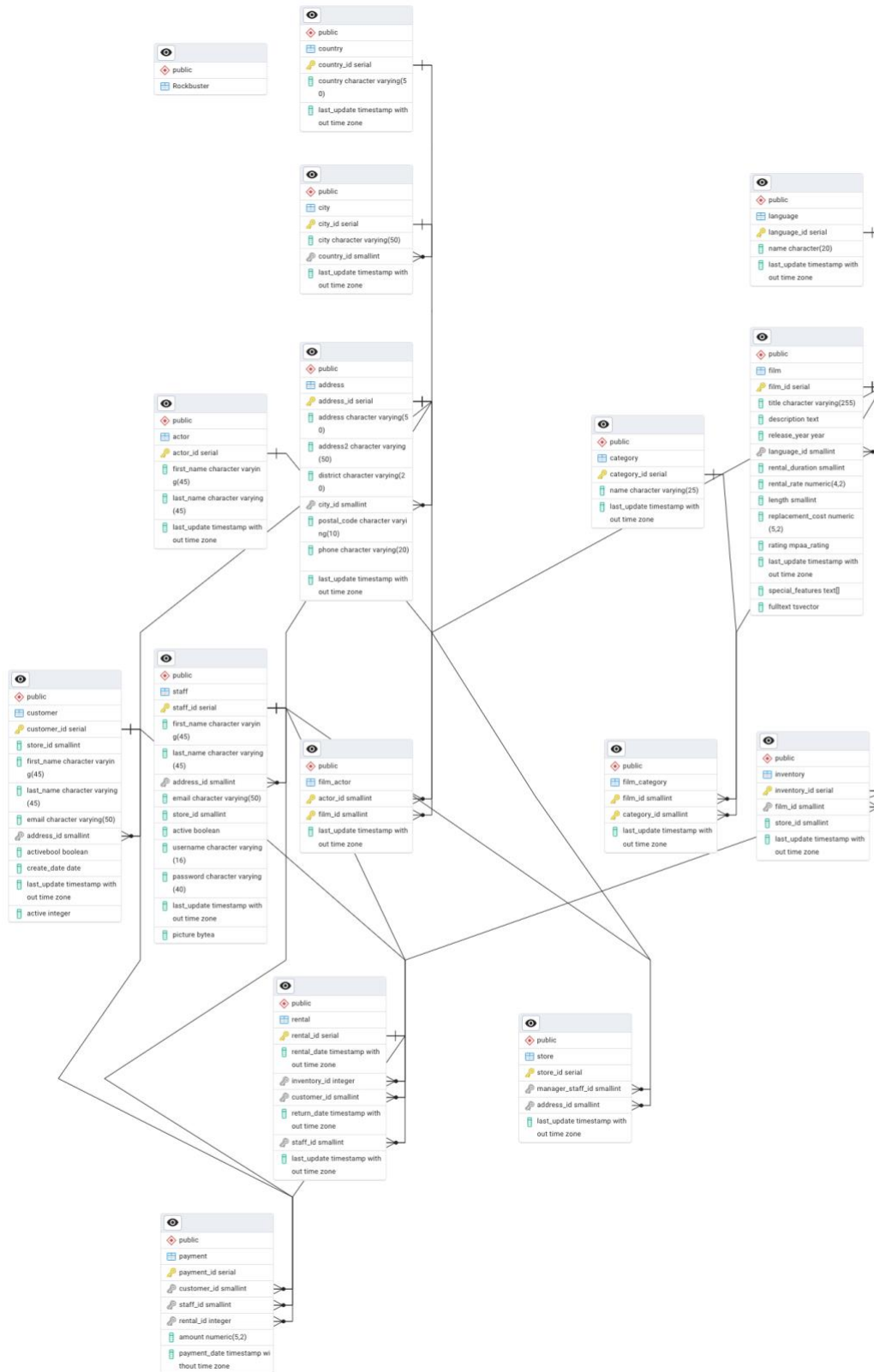
# Rockbuster Stealth LLC Data Dictionary

Ashwani Sherawat

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# Entity Relationship Diagram (ERD)



The fact tables, such as rental and payment, are connected to dimension tables like inventory and customer. These dimension tables are further linked to sub-dimension tables, creating the structure of a snowflake schema.

### rental (Fact Table)

Column	Data Type	Description
<b>rental_id (PK)</b>	integer	Unique identifier for each rental.
<b>rental_date</b>	timestamp without time zone	Date and time when the rental was made.
<b>inventory_id (FK)</b>	integer	Foreign key linking to the inventory table.
<b>customer_id (FK)</b>	smallint	Foreign key linking to the customer who made the rental.
<b>return_date</b>	timestamp without time zone	Date and time when the rental was returned.
<b>staff_id (FK)</b>	smallint	Foreign key linking to the staff member processing the rental.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the rental record.

### payment (Fact Table)

Column	Data Type	Description
<b>payment_id (PK)</b>	integer	Unique identifier for each payment.
<b>customer_id (FK)</b>	smallint	Foreign key linking to the customer making the payment.
<b>staff_id (FK)</b>	smallint	Foreign key linking to the staff processing the payment.
<b>rental_id (FK)</b>	integer	Foreign key linking to the rental.
<b>amount</b>	numeric	The amount paid.
<b>payment_date</b>	timestamp without time zone	Date and time of the payment.

## actor (Dimension Table)

Column	Data Type	Description
<b>actor_id (PK)</b>	integer	Unique identifier for each actor.
<b>first_name</b>	character varying(45)	Actor's first name.
<b>last_name</b>	character varying(45)	Actor's last name.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the actor record.

## category (Dimension Table)

Column	Data Type	Description
<b>category_id (PK)</b>	integer	Unique identifier for each category.
<b>name</b>	character varying(25)	Name of the category.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the category record.

## country (Dimension Table)

Column	Data Type	Description
<b>country_id (PK)</b>	integer	Unique identifier for each country.
<b>country</b>	character varying(50)	Name of the country.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the country record.

## customer (Dimension Table)

Column	Data Type	Description
<b>customer_id (PK)</b>	integer	Unique identifier for each customer.
<b>store_id</b>	smallint	Foreign key linking to the store where the customer is registered.
<b>first_name</b>	character varying(45)	Customer's first name.
<b>last_name</b>	character varying(45)	Customer's last name.
<b>email</b>	character varying(50)	Customer's email address.
<b>address_id (FK)</b>	smallint	Foreign key linking to the customer's address.
<b>activebool</b>	boolean	Indicates if the customer is active.
<b>create_date</b>	date	Date when the customer record was created.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the customer record.
<b>active</b>	integer	Status of the customer (active/inactive).

## film (Dimension Table)

Column	Data Type	Description
<b>film_id (PK)</b>	integer	Unique identifier for each film.
<b>title</b>	character varying(255)	Title of the film.
<b>description</b>	text	Description of the film.
<b>release_year</b>	integer	Year the film was released.
<b>language_id (FK)</b>	smallint	Foreign key linking to the language of the film.
<b>rental_duration</b>	smallint	Duration for which the film can be rented.
<b>rental_rate</b>	numeric	Rate charged for renting the film.
<b>length</b>	smallint	Length of the film in minutes.
<b>replacement_cost</b>	numeric	Cost of replacing the film if lost or damaged.
<b>rating</b>	USER-DEFINED	Film's rating (e.g., PG, R).
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the film record.
<b>special_features</b>	ARRAY	Special features available with the film.
<b>fulltext</b>	tsvector	Full-text search information.

## film\_actor (Dimension Table)

Column	Data Type	Description
<b>actor_id (PK, FK)</b>	smallint	Foreign key linking to the actor.
<b>film_id (PK, FK)</b>	smallint	Foreign key linking to the film.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the record.

## film\_category (Dimension Table)

Column	Data Type	Description
<b>film_id (PK, FK)</b>	smallint	Foreign key linking to the film.
<b>category_id (PK, FK)</b>	smallint	Foreign key linking to the category.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the record.

## inventory (Dimension Table)

Column	Data Type	Description
<b>inventory_id (PK)</b>	integer	Unique identifier for each inventory item.
<b>film_id (FK)</b>	smallint	Foreign key linking to the film.
<b>store_id</b>	smallint	Store where the inventory item is located.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the inventory record.

## language (Dimension Table)

Column	Data Type	Description
<b>language_id (PK)</b>	integer	Unique identifier for each language.
<b>name</b>	character(20)	Name of the language.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the language record.

## staff (Dimension Table)

Column	Data Type	Description
<b>staff_id (PK)</b>	integer	Unique identifier for each staff member.
<b>first_name</b>	character varying(45)	Staff member's first name.
<b>last_name</b>	character varying(45)	Staff member's last name.
<b>address_id (FK)</b>	smallint	Foreign key linking to the staff member's address.
<b>email</b>	character varying(50)	Staff member's email address.
<b>store_id</b>	smallint	Store where the staff member is employed.
<b>active</b>	boolean	Indicates if the staff member is active.
<b>username</b>	character varying(16)	Staff member's username.
<b>password</b>	character varying(40)	Staff member's password.
<b>last_update</b>	timestamp without time zone	Timestamp for the last update of the staff record.
<b>picture</b>	bytea	Staff member's picture.