

# Rockbuster Stealth LLC

## Data Dictionary



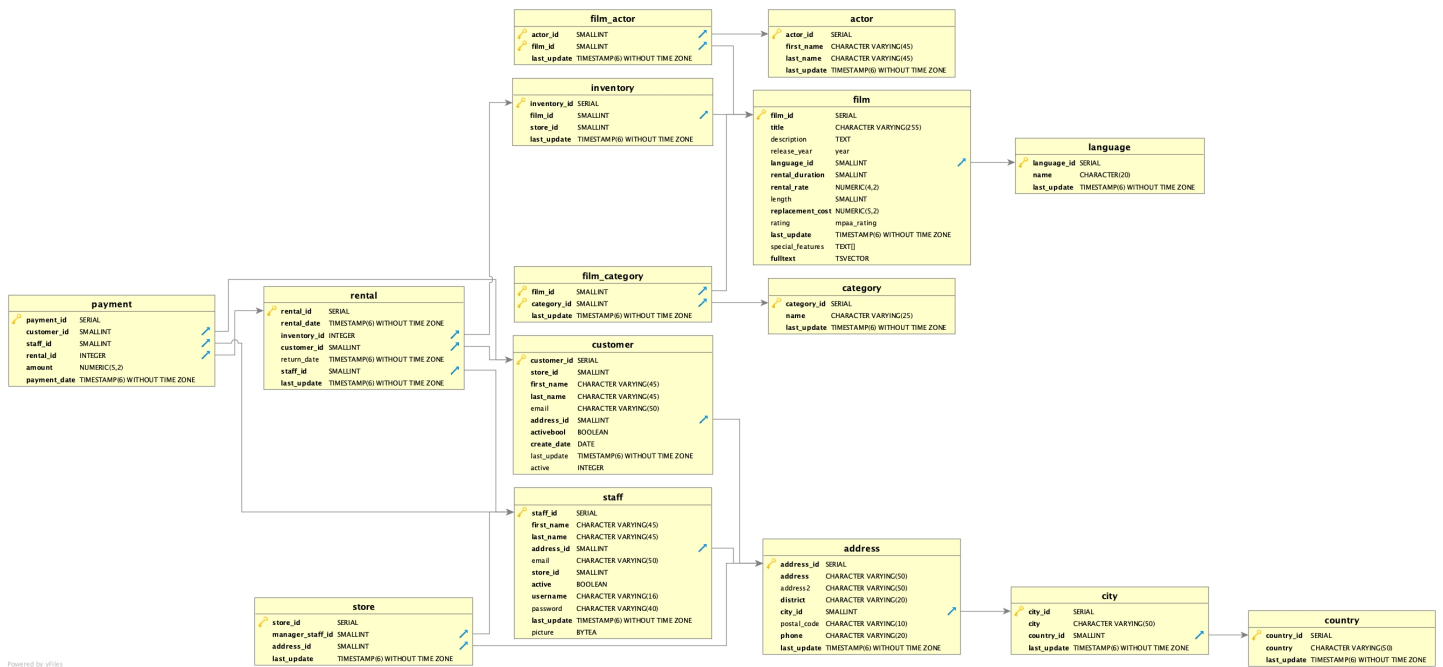
February 23, 2021

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# Entity Relationship Diagram




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# Tables

## Fact Table: payment

Lists the amount paid by each customer for each movie rental.

Columns

Key	Columns	Data Type	Description	To
	payment_id	SERIAL	Unique identification number for the payment.	
	customer_id	SMALLINT	Unique identification number for the customer.	↗
	staff_id	SMALLINT	Unique identification number for the staff.	↗
	rental_id	INTEGER	Unique identification number for the rental.	↗
	amount	NUMERIC(5,2)	Amount of the payment.	
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the payment.	

Links To

Table	Join
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id
rental	payment.rental_id = rental.rental_id

Links From


Nothing

Unique Keys

payment\_id  
customer\_id  
staff\_id  
rental\_id

## Dimension Table: rental

Lists the rental date and return date for each item and customer.

Key	Columns	Data Type	Description	To
	rental_id	SERIAL	Unique identification number for the rental.	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the rental.	
	inventory_id	INTEGER	Unique identification number for the inventory.	↗
	customer_id	SMALLINT	Unique identification number for the customer.	↗
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the rental return.	
	staff_id	SMALLINT	Unique identification number for the staff.	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links To

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.rental_id

Links From

Table	Join
payment	rental.rental_id = payment.rental_id


Unique Keys

rental\_id  
inventory\_id  
customer\_id  
staff\_id

## Dimension Table: store

Lists the manager and addresses of the Rockbuster stores.

Columns

Key	Columns	Data Type	Description	To
	store_id	SERIAL	Unique identification number for the store.	
	manager_staff_id	SMALLINT	Unique identification number for the manager.	↗
	address_id	SMALLINT	Unique identification number for the store address.	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links To

Table	Join
staff	store.manager_staff_id = staff.staff_id
address	store.address_id = address.address_id

Links From

Nothing



Unique Keys

store\_id  
manager\_staff\_id  
address\_id

## Dimension Table: film\_actor

Lists the actor for each film.

Columns

Key	Columns	Data Type	Description	To
	actor_id	SMALLINT	Unique identification number for the actor.	↗
	film_id	SMALLINT	Unique identification number for the film.	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links To

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

Links From

Nothing


Unique Keys

actor\_id  
film\_id

## Dimension Table: inventory

Lists the inventory id number for each film.

Columns

Key	Columns	Data Type	Description	To
	inventory_id	SERIAL	Unique identification number for the inventory.	↗
	film_id	SMALLINT	Unique identification number for the film.	
	store_id	SMALLINT	Unique identification number for the store.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links to

Table	Join
film	inventory.film_id = film.film_id

Links from

Table	Join
rental	inventory.rental_id = rental.rental_id


Unique Keys

inventory\_id  
film\_id  
store\_id

## Dimension Table: film\_category

Lists the category for each film.

Columns

Key	Columns	Data Type	Description	To
	film_id	SMALLINT	Unique identification number for the film.	↗
	category_id	SMALLINT	Unique identification number for the film category.	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links to

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

Links from

Nothing


Unique Keys

film\_id  
category\_id

## Dimension Table: customer

Lists the information for each individual customer.

### Columns

Key	Columns	Data Type	Description	To
	customer_id	SERIAL	Unique identification number for the customer.	↗
	store_id	SMALLINT	Unique identification number for the store.	
	first_name	CHARACTER VARYING(45)	First name of the customer.	
	last_name	CHARACTER VARYING(45)	Last name of the customer.	
	email	CHARACTER VARYING(50)	Email address of the customer.	
	address_id	SMALLINT	Unique identification number for the customer address.	
	activebool	BOOLEAN	The records all say "true." I don't know what this refers to. ???	
	create_date	DATE	The date the record was created.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	
	active	INTEGER	Number associated with the status of the customer (active or not)	

### Links to

Table	Join
address	customer.address_id = address.address_id

### Links from

Table	Join
rental	customer.customer_id = rental.customer_id
payment	customer.customer_id = payment.customer_id

### Unique Keys


customer\_id  
address\_id  
store\_id  
store\_id



## Dimension Table: staff

Lists the information for each staff member.

Columns

Key	Columns	Data Type	Description	To
	staff_id	SERIAL	Unique identification number for the staff.	↗
	first_name	CHARACTER VARYING(45)	First name of the staff member.	
	last_name	CHARACTER VARYING(45)	Last name of the staff member.	
	address_id	SMALLINT	Unique identification number for the staff member address.	
	email	CHARACTER VARYING(50)	Email address of the staff member.	
	store_id	SMALLINT	Unique identification number for the store.	
	active	BOOLEAN	The records all say "true." I don't know what this refers to. ???	
	username	CHARACTER VARYING(16)	Staff member username.	
	password	CHARACTER VARYING(40)	Staff member password.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	
	picture	BYTEA	This column is blank. ???	

Links to

Table	Join
address	staff.address_id = address.address_id

Links from

Table	Join
store	staff.staff_id = store.manager_staff_id
payment	staff.staff_id = payment.staff_id
rental	staff.staff_id = rental.staff_id


Unique Keys

staff\_id  
address\_id  
store\_id

## Dimension Table: actor

Lists the actor for each film.

### Columns

Key	Columns	Data Type	Description	To
	actor_id	SERIAL	Unique identification number for the actor.	
	first_name	CHARACTER VARYING(45)	First name of the actor.	
	last_name	CHARACTER VARYING(45)	Last name of the actor.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

### Links to

Nothing

### Links from

Table	Join
film_actor	actor.actor_id = film_actor.actor_id


### Unique Keys

actor\_id

## Dimension Table: film

Lists the information for each individual film.

Columns

Key	Columns	Data Type	Description	To
	film_id	SERIAL	Unique identification number for the film.	↗
	title	CHARACTER VARYING(255)	Film title.	
	description	TEXT	A description of the film.	
	release_year	year	Year the film was released.	
	language_id	SMALLINT	Unique identification number for the film language.	
	rental_duration	SMALLINT	Number of days the film can be rented for.	
	rental_rate	NUMERIC(4,2)	Cost of the rental.	
	length	SMALLINT	Film length in minutes.	
	replacement_cost	NUMERIC(5,2)	Cost to replace the film.	
	rating	mpaa_rating	Film rating.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	
	special_features	TEXT[]	Special features of the film e.g. trailers, deleted scenes, etc.	
	fulltext	TSVECTOR	I don't know what this list of words and numbers refer to. ???	

Links to

Table	Join
language	film.language_id = language.language_id

Links from

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


Unique Keys

film\_id  
language\_id

## Dimension Table: category

Lists the category for each film.

Columns

Key	Columns	Data Type	Description	To
	category_id	SERIAL	Unique identification number for the category.	
	name	CHARACTER VARYING(25)	The name of the category.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links to

Nothing

Links from

Table	Join
film_category	category.category_id = film_category.category_id



Unique Keys

category\_id

## Dimension Table: address

Lists the full address associated with each address id number.

Columns

Key	Columns	Data Type	Description	To
	address_id	SERIAL	Unique identification number for the address.	
	address	CHARACTER VARYING(50)	The street address.	
	address2	CHARACTER VARYING(50)	This column is blank.	
	district	CHARACTER VARYING(20)	Name of the district.	
	city_id	SMALLINT	Unique identification number for the city.	
	postal_code	CHARACTER VARYING(10)	The postal code.	
	phone	CHARACTER VARYING(20)	The phone number.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

Links to

Table	Join
city	address.city_id = city.city_id

Links from

Table	Join
customer	address.address_id = customer.address_id
staff	address.address_id = staff.address_id
store	address.address_id = store.address_id

Unique Keys


address\_id

city\_id

## Dimension Table: language

Lists the language of each film.

Columns

Key	Columns	Data Type	Description	To
	language_id name last_update	SERIAL CHARACTER(20) TIMESTAMP(6) WITHOUT TIME ZONE	Unique identification number for the language. Name of the language. Date and time the record was last updated.	

Links to

Nothing

Links from

Table	Join
film	language.language_id = film.language_id



Unique Keys

language\_id

## Dimension Table: city

Lists the name of the city associated with the city id number.

Columns

Key	Columns	Data Type	Description	To
	city_id city country_id last_update	SERIAL CHARACTER VARYING(50) SMALLINT TIMESTAMP(6) WITHOUT TIME ZONE	Unique identification number for the city. Name of the city. Unique identification number for the country. Date and time the record was last updated.	

Links to

Table	Join
country	city.country_id = country.country_id

Links from

Table	Join
address	city.city_id = address.city_id

Unique Keys


city\_id

country\_id

## Dimension Table: country

Lists the name of the country associated with each country id number

### Columns

Key	Columns	Data Type	Description	To
	country_id	SERIAL	Unique identification number for the country.	
	country	CHARACTER VARYING(20)	Name of the country.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the record was last updated.	

### Links to

Nothing

### Links from

Table	Join
city	country.country_id = city.country_id

### Unique Keys

country\_id