

# Rockbuster Stealth LLC

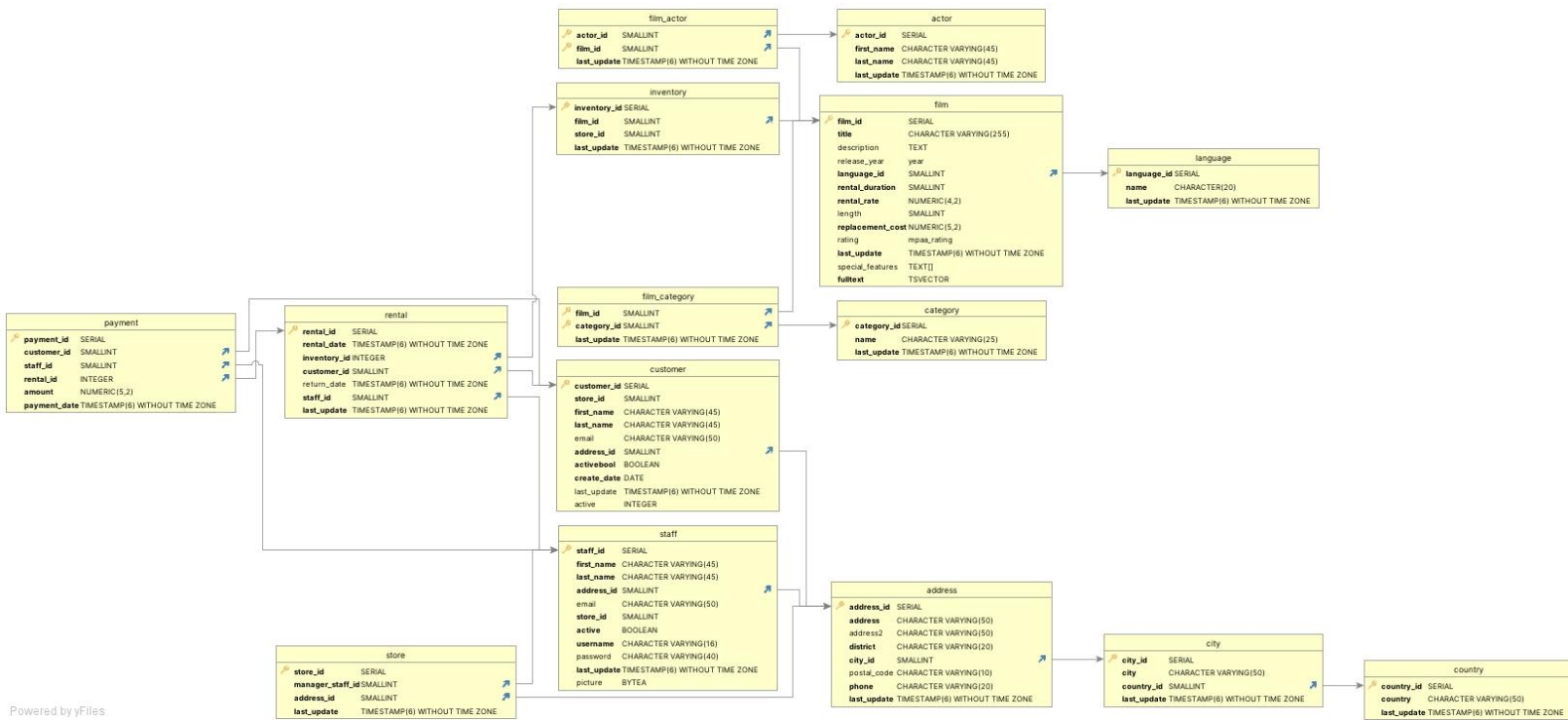
## Data Dictionary



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# 1. Entity Relationship Diagram



## 2. Fact Tables

### 2.1 Table: Payment

payment			
Key	Column	Data Type	Description
primary	payment_id	serial	unique identifier for payment
foreign	customer_id	small int	unique identifier for customer
foreign	staff_id	small int	unique identifier for staff
foreign	rental_id	integer	unique identifier for rental
	amount	number(5,2)	cost in numerical value
	payment_date	timestamp(6) without time zone	time and date of payment without time zone

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:

None

### 2.2 Table: Rental

rental			
Key	Column	Data Type	Description
primary	rental_id	serial	unique identifier for rental
	rental_date	timestamp(6) without time zone	time and date of rental without time zone
foreign	inventory_id	integer	unique identifier for inventory
foreign	customer_id	small int	unique identifier for customer
	return_date	timestamp(6) without time zone	time and date of return without time zone
foreign	staff_id	small int	unique identifier for staff
	last_update	timestamp(6) without time zone	time and update of last update without time zone

Links To:

Table	Join
Inventory	rental.inventory_id = inventory.inventory_id

<b>Customer</b>	rental.customer_id = customer.customer_id
<b>Staff</b>	rental.staff_id = staff.staff_id

Links

From:

Table	Join
<b>payment</b>	payment.rental_id = rental.rental_id

### 3. Dimension Tables

#### 3.1 Table: Staff

staff			
Key	Column	Data Type	Description
<b>primary</b>	<b>staff_id</b>	serial	unique identifier of staff member
	<b>first_name</b>	character varying (45)	first name of staff member
	<b>last_name</b>	character varying (45)	last name of staff member
<b>foreign</b>	<b>address_id</b>	small int	unique identifier of address
	<b>email</b>	character varying (50)	staff member email address
<b>foreign</b>	<b>store_id</b>	small int	unique identifier of store
	<b>active</b>	boolean	status of whether staff is currently employed
	<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(6) without time zone	last update of staff member profile
	<b>picture</b>	bytea	picture of staff member

Links To:

Table	Join
<b>address</b>	staff.address_id = address.address_id

Links

From:

Table	Join
<b>payment</b>	payment.staff_id = staff.staff_id
<b>rental</b>	rental.staff_id = staff.staff_id
<b>store</b>	store.manager_staff_id = staff.staff_id

### 3.2 Table: Customer

customer			
Key	Column	Data Type	Description
primary	customer_id	serial	unique identifier of customer
foreign	store_id	small int	unique identifier of store
	first_name	character varying (45)	first name of customer
	last_name	character varying (45)	last name of customer
	email	character varying (50)	customer email address
foreign	address_id	small int	unique identifier of address
	activebool	boolean	status of whether customer is active or not
	create_date	date	date of customer profile creation
	last_update	timestamp(6) without time zone	last update of customer profile
	active	integer	active status represented by 1 or 0

Links To:

Table	Join
address	customer.address_id = address.address_id

Links

From:

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

### 3.3 Table: Address

address			
Key	Column	Data Type	Description
primary	address_id	serial	unique identifier of address
	address	character varying (50)	first line of address
	address2	character varying (50)	second line of address
	district	character varying (20)	region of address
foreign	city_id	small int	unique identifier of city
	postal_code	character varying (10)	postal code for address
	phone	character varying (20)	phone number for address
	last_update	timestamp(6) without time zone	last update of address

Links To:

Table	Join
city	address.city_id = city.city_id

Links From:

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

### 3.4 Table: Store

store			
Key	Column	Data Type	Description
primary	store_id	serial	unique identifier of store
foreign	manager_staff_id	small int	unique identifier of staff manager
foreign	address_id	small int	unique identifier of address
	last_update	timestamp(6) without time zone	last update of store profile

Links To:

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

Links From:

None

### 3.5 Table: Country

country			
Key	Column	Data Type	Description
primary	country_id	serial	unique identifier of country
	country	character varying (50)	name of country
	last_update	timestamp(6) without time zone	last update of country

Links To:

None

Links From:

Table	Join
city	city.country_id = country.country_id

### 3.6 Table: City

city			
Key	Column	Data Type	Description
primary	city_id	serial	unique identifier of city
	city	character varying (50)	name of city
foreign	country_id	small int	unique identifier of country
	last_update	timestamp(6) without time zone	last update of city

Links To:

Table	Join
country	city.country_id = country.country_id

Links From:

Table	Join
address	address.country_id = city.city_id

### 3.7 Table: Film

film			
Key	Column	Data Type	Description
primary	film_id	serial	unique identifier of film
	title	character varying (255)	full title of film
	description	text	description of film
	release_year	year	release year of film
foreign	language_id	small int	unique identifier of language
	rental_duration	small int	duration of rental
	rental_rate	numeric (4,2)	cost of rental
	length	small int	length of film
	replacement_cost	numeric (5,2)	cost to replace film
	rating	mpaa_rating	rating of film
	last_update	timestamp(6) without time zone	last update of film profile
	special_features	text []	special features of film
	fulltext	tsvector	full text index; info about significant words and their location



Links To:

Table	Join
language	film.language_id = language.language_id

Links

From:

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

### 3.8 Table: Film Actor

film_actor			
Key	Column	Data Type	Description
primary	actor_id	small int	unique identifier of actor
foreign	film_id	small int	unique identifier of film
	last_update	timestamp(6) without time zone	last update of film actor

Links To:

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

Links From:

None

### 3.9 Table: Actor

actor			
Key	Column	Data Type	Description
primary	actor_id	serial	unique identifier of actor
	first_name	character varying (45)	first name of actor
	last_name	character varying (45)	last name of actor
	last_update	timestamp(6) without time zone	last update of actor profile

Links To:

None

Links From:

Table	Join
<b>film_actor</b>	film_actor.actor_id = actor.actor_id

### 3.10 Table: Language

language			
Key	Column	Data Type	Description
<b>primary</b>	<b>language_id</b>	serial	unique identifier of language
	<b>name</b>	character (20)	name of language
	<b>last_update</b>	timestamp(6) without time zone	last update of language

#### Links To:

None

#### Links From:

Table	Join
<b>film</b>	film.language_id = language.language_id

### 3.11 Table: Film Category

film_category			
Key	Column	Data Type	Description
<b>primary</b>	<b>film_id</b>	small int	unique identifier of film
<b>foreign</b>	<b>category_id</b>	small int	unique identifier of category
	<b>last_update</b>	timestamp(6) without time zone	last update of film

#### Links To:

Table	Join
<b>film</b>	film_category.film_id = film.film_id
<b>category</b>	film_category.category_id = category.category_id

#### Links From:

None

### 3.12 Table: Category

category			
Key	Column	Data Type	Description
primary	category_id	serial	unique identifier of category
	name	character varying (25)	name of category
	last_update	timestamp(6) without time zone	last update of category

#### Links To:

None

#### Links From:

Table	Join
film_category	film_category.category_id = category.category_id

### 3.13 Table: Inventory

inventory			
Key	Column	Data Type	Description
primary	inventory_id	serial	unique identifier of inventory
foreign	film_id	small int	unique identifier of film
foreign	store_id	small int	unique identifier of store
	last_update	timestamp(6) without time zone	last update of inventory

#### Links To:

Table	Join
film	inventory.film_id = film.film_id

#### Links From:

Table	Join
rental	rental.inventory_id = inventory.inventory_id