

# Rockbuster Stealth LLC



## DATA DICTIONARY

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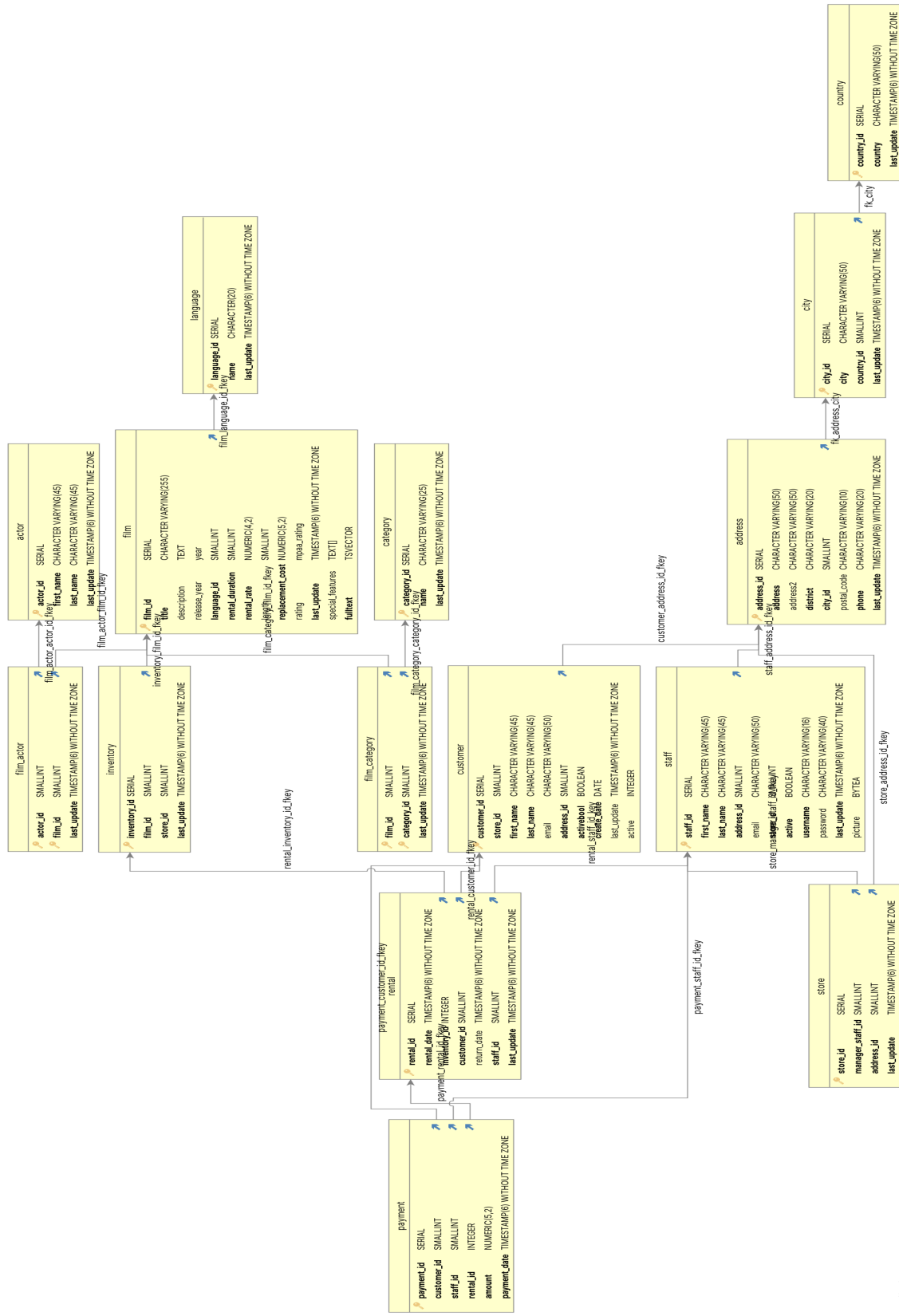
## ROCKBUSTER STEALTH LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. This is a relational database that contains information about Rockbuster's film inventory, customers, and payments, among other things.

You can download Rockbuster database here:

[Download the Rockbuster data set](#)

# I. ENTITY RELATIONSHIP DIAGRAM



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## 2. FACT TABLES

### 2.1. PAYMENT

Columns

	Name	Data Type	Description
PK	payment_id	SERIAL	ID of payment
FK	customer_id	SMALLINT	ID of customer
FK	staff_id	SMALLINT	ID of staff
FK	rental_id	INTEGER	ID of rental
	amount	NUMERIC (5,2)	Rental fee
	payment_date	TIMESTAMP (6) W/O TIME ZONE	Date of payment

Links to

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

## 3. DIMENSION TABLES

### 3.1. ACTOR

Columns

	Name	Data Type	Description
PK	actor_id	SERIAL	ID for actor
	first_name	CHARACTER VARYING (45)	Actor first name
	last_name	CHARACTER VARYING (45)	Actor last name
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

Links from

Table	Join
film_actor	film_actor.actor_id = film_actor.actor_id

### 3.2. ADDRESS

#### Columns

	Name	Data Type	Description
PK	address_id	SERIAL	ID of address
	address	CHARACTER VARYING (50)	Address line 1
	address2	CHARACTER VARYING (50)	Address line 2
	district	CHARACTER VARYING (20)	District
FK	city_id	SMALLINT	ID of city
	postal_code	CHARACTER VARYING (10)	Postal code
	phone	CHARACTER VARYING (20)	Phone number
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

Table	Join
city	address.address_id = city.address_id

#### Links from

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

### 3.3. CATEGORY

#### Columns

	Name	Data Type	Description
PK	category_id	SERIAL	ID of category
	name	CHARACTER VARYING (25)	Name of category
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links from

Table	Join
film_category	film_category.category_id = category.category_id

### 3.4. CITY

#### Columns

	Name	Data Type	Description
PK	city_id	SERIAL	ID of city
	city	CHARACTER VARYING (50)	City name
FK	country_id	SMALLINT	ID of country
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

Table	Join
country	city.city_id = country.city_id

#### Links from

Table	Join
address	address.city_id = city.city_id

### 3.5. COUNTRY

#### Columns

	Name	Data Type	Description
PK	country_id	SERIAL	ID of country
	country	CHARACTER VARYING (50)	Country name
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links from

Table	Join
city	city.city_id = country.city_id

### 3.6. CUSTOMER

#### Columns

	Name	Data Type	Description
PK	customer_id	SERIAL	ID of customer
	store_id	SMALLINT	ID of store
	first_name	CHARACTER VARYING (45)	Customer first name
	last_name	CHARACTER VARYING (45)	Customer last name
	email	CHARACTER VARYING (50)	Customer email address
FK	address_id	SMALLINT	ID of address
	activebool	BOOLEAN	Whether customer is active
	create_date	DATE	Date customer first created
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update
	active	INTEGER	Active integer

#### Links to

Table	Join
address	customer.address_id = address.address_id

#### Links from

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

### 3.7. FILM

#### Columns

	Name	Data Type	Description
PK	film_id	SERIAL	ID for film
	title	CHARACTER VARYING (255)	Title of film
	description	TEXT	Description of film
	release_year	YEAR	Year the film was released
FK	language_id	SMALLINT	ID of language



	rental_duration	SMALLINT	Duration of rental
	rental_rate	NUMERIC (4,2)	Rental cost
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(5,2)	Replacement cost if not returned
	rating	MAA_RATING	Movie rating
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update
	special_features	TEXT	Features of film
	fulltext	TSVECTOR	Film index

Links to

Table	Join
language	film.language_id = language.language_id

Links from

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

### 3.8. FILM\_ACTOR

Columns

	Name	Data Type	Description
PK	actor_id	SMALLINT	ID for actor
PK	film_id	SMALLINT	ID for film
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

Links to

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

### 3.9. FILM\_CATEGORY

#### Columns

	Name	Data Type	Description
PK	film_id	SMALLINT	ID of film
PK	category_id	SMALLINT	ID of category
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

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

### 3.10. INVENTORY

#### Columns

	Name	Data Type	Description
PK	inventory_id	SERIAL	ID for inventory item
FK	film_id	SMALLINT	ID for film
	store_id	SMALLINT	ID for store
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

Table	Join
film	inventory.film_id = film.film_id

#### Links from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

### 3.11. LANGUAGE

#### Columns

	Name	Data Type	Description
PK	language_id	SERIAL	ID of language
	name	CHARACTER (20)	Name of language
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links from

Table	Join
film	film.language_id = language.language_id

### 3.12. RENTAL

#### Columns

	Name	Data Type	Description
PK	rental_id	SERIAL	ID of rental
	rental_date	TIMESTAMP (6) W/O TIME ZONE	Date of rental
FK	inventory_id	INTEGER	ID of inventory
FK	customer_id	SMALLINT	ID of customer
	return_date	TIMESTAMP (6) W/O TIME ZONE	Date movie was returned
FK	staff_id	SMALLINT	ID of staff
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

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

#### Links from

Table	Join
payment	payment.rental_id = rental.rental_id

### 3.13. STAFF

#### Columns

	Name	Data Type	Description
PK	staff_id	SERIAL	ID of staff
	first_name	CHARACTER VARYING (45)	Staff first name
	last_name	CHARACTER VARYING (45)	Staff last name
FK	address_id	SMALLINT	ID of address
	email	CHARACTER VARYING (50)	Staff email address
	store_id	SMALLINT	ID of store
	active	BOOLEAN	Whether staff is active
	username	CHARACTER VARYING (16)	Staff username
	password	CHARACTER VARYING (40)	Staff password
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update
	picture	BYTEA	Staff photo

#### Links to

Table	Join
address	staff.address_id = address.address_id

#### Links from

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

### 3.14. STORE

#### Columns

	Name	Data Type	Description
PK	store_id	SERIAL	ID of store
FK	manager_staff_id	SMALLINT	ID of manager
FK	address_id	SMALLINT	ID of address
	last_update	TIMESTAMP (6) W/O TIME ZONE	Time of latest update

#### Links to

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