

# Rockbuster Stealth

DATA DICTIONARY

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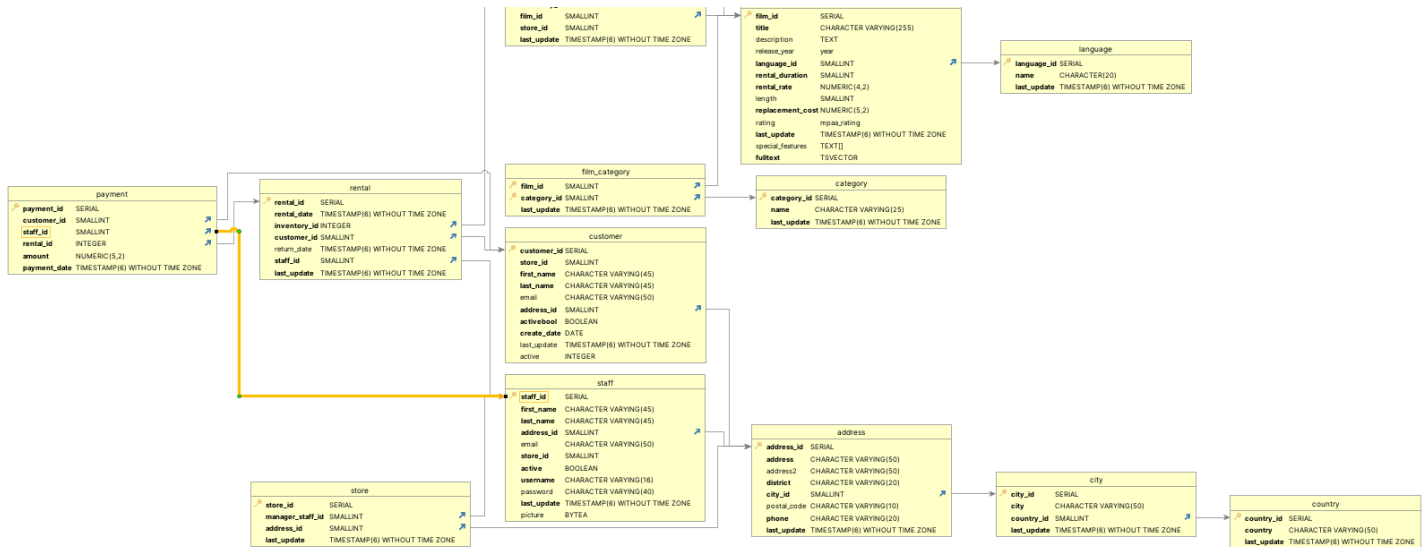
# 1. Rockbuster Stealth

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.


You can download Rockbuster Stealth database here:

[Download the Rockbuster data set](#)

## 2. Tables




### 2.1. Table: Payment

	Columns	Data Type	Description
	payment_id	SERIAL	Unique number for a transaction
	customer_id	SMALLINT	Unique number for a customer
	staff_id	SMALLINT	Unique number for a staff
	rental_id	INTEGER	Unique number for a rental
	amount	NUMERIC (5,2)	Price of the rental
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the transaction


## Links to

Table	Join	Title/Name/Description
rental	payment.rental_id = rental.rental_id	Foreign key referencing rental.rental_id
customer	payment.customer_id = customer.customer_id	Foreign key referencing customer.customer_id
staff	payment.staff_id = staff.staff_id	Foreign key referencing staff.staff_id

## Unique keys

	Column	Name/Description
	payment_id	Unique number for a transaction
	customer_id	Unique number for a customer
	staff_id	Unique number for a staff
	rental_id	Unique number for a rental

## 2.2. Table: Rental

	Columns	Data Type	Description
	rental_id	SERIAL	Unique number for a rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the rental
	inventory_id	INTEGER	Unique number for an inventory
	customer_id	SMALLINT	Unique number for a customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the rental return
	staff_id	SMALLINT	Unique number for a staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


### Links to

Table	Join	Title/Name/Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key referencing inventory.inventory_id
customer	rental.customer_id = customer.customer_id	Foreign key referencing customer.customer_id
staff	rental.staff_id = staff.staff_id	Foreign key referencing staff.staff_id


### Linked from

Table	Join	Title/Name/Description
payment	payment.rental_id = rental.rental_id	Foreign key referencing payment.rental_id

## Unique keys

	Column	Name/Description
	rental_id	Unique number for a rental
	inventory_id	Unique number for an inventory
	customer_id	Unique number for a customer
	staff_id	Unique number for a staff

## 2.3. Table: Inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	Unique number for an inventory
	film_id	SMALLINT	Unique number for a movie
	store_id	SMALLINT	Unique number for a store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


## Links to

Table	Join	Title/Name/Description
film	inventory.film_id = film.film_id	Foreign key referencing film.film_id


## Linked from

Table	Join	Title/Name/Description
rental	rental.inventory_id = inventory.inventory_id	Foreign key referencing rental.inventory_id

## Unique keys

	Column	Name/Description
	inventory_id	Unique number for an inventory
	film_id	Unique number for a movie
	store_id	Unique number for a store

## 2.4. Table: Customer

	Columns	Data Type	Description
	customer_id	SERIAL	Unique number for a customer
	store_id	SMALLINT	Unique number for a 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 of the customer
	address_id	SMALLINT	Unique number for an address
	activebool	BOOLEAN	True or False
	create_date	DATE	Date of creation
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update
	active	INTEGER	Customer's active status




## Links to

Table	Join	Title/Name/Description
address	customer.address_id = address.address_id	Foreign key referencing address.address_id


## Linked from

Table	Join	Title/Name/Description
payment	payment.customer_id = customer.customer_id	Foreign key referencing payment.customer_id

## Unique keys

	Column	Name/Description
	customer_id	Unique number for a customer
	store_id	Unique number for a store
	address_id	Unique number for an address

## 2.5. Table: Staff

	Columns	Data Type	Description
	staff_id	SERIAL	Unique number for a staff
	first_name	CHARACTER VARYING (45)	First name of the staff
	last_name	CHARACTER VARYING (45)	Last name of the staff
	address_id	SMALLINT	Unique number for store's address the staff is working
	email	CHARACTER VARYING (50)	Email of the staff
	store_id	SMALLINT	Unique number for store the staff is working
	active	BOOLEAN	Staff's active status (True or False)
	username	CHARACTER VARYING (16)	Username of the staff
	password	CHARACTER VARYING (40)	Password for the staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update
	picture	BYTEA	Photo of the staff


Links to

Table	Join	Title/Name/Description
address	staff.address_id = address.address_id	Foreign key referencing address.address_id


Linked from

Table	Join	Title/Name/Description
payment	payment.staff_id = staff.staff_id	Foreign key referencing payment.staff_id

Unique keys

	Column	Name/Description
	staff_id	Unique number for a staff
	address_id	Unique number for store's address the staff is working
	store_id	Unique number for store the staff is working


## 2.6. Table: Store

	Columns	Data Type	Description
	store_id	SERIAL	Unique number for a store
	manager_staff_id	SMALLINT	Unique number for a staff
	address_id	SMALLINT	Unique number for the store's address
	last update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


## Links to

Table	Join	Title/Name/Description
staff	store.manager_staff_id = staff.staff_id	Foreign key referencing staff.staff_id
address	store.address_id = address.address_id	Foreign key referencing address.address_id

## Unique keys

	Column	Name/Description
	store_id	Unique number for a store
	manager_staff_id	Unique number for a staff
	address_id	Unique number for the store's address

## 2.7. Table: Address

	Columns	Data Type	Description
	address_id	SERIAL	Unique number for an address
	address	CHARACTER VARYING (50)	Address details
	address2	CHARACTER VARYING (50)	Extra address field
	district	CHARACTER VARYING (20)	District of the address
	city_id	SMALLINT	Unique number for a city
	postal_code	CHARACTER VARYING (10)	Postal code details
	phone	CHARACTER VARYING (20)	Phone number details
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


Links to

Table	Join	Title/Name/Description
city	address.city_id = city.city_id	Foreign key referencing city.city_id


Linked from

Table	Join	Title/Name/Description
customer	customer.address_id = address.address_id	Foreign key referencing customer.address_id
staff	staff.address_id = address.address_id	Foreign key referencing staff.address_id
store	store.address_id = address.address_id	Foreign key referencing store.address_id

Unique keys

	Column	Name/Description
	address_id	Unique number for an address
	city_id	Unique number for a city

## 2.8. Table: City

	Columns	Data Type	Description
	city_id	SERIAL	Unique number for a city
	city	CHARACTER VARYING (50)	Name of the city
	country_id	SMALLINT	Unique number for a country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


Links to

Table	Join	Title/Name/Description
country	city.country_id = country.country_id	Foreign key referencing country.country_id


Linked from

Table	Join	Title/Name/Description
address	address.city_id = city.city_id	Foreign key referencing address.city_id

Unique keys

	Column	Name/Description
	city_id	Unique number for a city
	country_id	Unique number for a country


## 2.9. Table: Country

	Columns	Data Type	Description
	country_id	SERIAL	Unique number for a country
	country	CHARACTER VARYING (50)	Name of the country
	last update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


Linked from

Table	Join	Title/Name/Description
city	city.country_id = country.country_id	Foreign key referencing city.country_id

Unique keys

	Column	Name/Description
	country_id	Unique number for a country

## 2.10. Table: Film

	Columns	Data Type	Description
	film_id	SERIAL	Unique number for a movie
	title	CHARACTER VARYING (255)	Name of the movie
	description	TEXT	Description of the movie
	release_year	year	Release year of the movie
	language_id	SMALLINT	Unique number for the movie's language
	rental_duration	SMALLINT	Amount of rental days
	rental_rate	NUMERIC (4,2)	Customer's rating of the rental
	length	SMALLINT	Duration of the movie in minutes
	replacement_cost	NUMERIC (5,2)	Cost for replacing the rental movie
	rating	mpaa_rating	Film's classification rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update
	special_features	TEXT []	Special features in the movie
	fulltext	TSVECTOR	Keywords for the movie

### Links to


Table	Join	Title/Name/Description
language	film.language_id = language.language_id	Foreign key referencing language.language_id





Linked from

Table	Join	Title/Name/Description
film_actor	film_actor.film_id = film.film_id	Foreign key referencing film_actor.film_id
inventory	inventory.film_id = film.film_id	Foreign key referencing inventory.film_id
film_category	film_category.film_id = film.film_id	Foreign key referencing film_category.film_id

Unique keys

	Column	Name/Description
	film_id	Unique number for a movie
	language_id	Unique number for the movie's language



## 2.11. Table: Film Category

	Columns	Data Type	Description
	film_id	SMALLINT	Unique number for a movie
	category_id	SMALLINT	Unique number for a category
	last update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


Links to

Table	Join	Title/Name/Description
film	film.film_id = film_category.film_id	Foreign key referencing film.film_id
category	category.category_id = film_category.category_id	Foreign key referencing category.category_id

## Unique keys

	Column	Name/Description
	film_id	Unique number for a movie
	category_id	Unique number for a category


## 2.12. Table: Category

	Columns	Data Type	Description
	category_id	SERIAL	Unique number for a category
	name	CHARACTER VARYING (25)	Name of the category
	last update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


## Linked from

Table	Join	Title/Name/Description
film_category	film_category.category_id = category.category_id	Foreign key referencing film_category.category_id

## Unique keys

	Column	Name/Description
	category_id	Unique number for a category


## 2.13. Table: Language

	Columns	Data Type	Description
	language_id	SERIAL	Unique number for a language
	name	CHARACTER (20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update



Linked from

Table	Join	Title/Name/Description
film	film.language_id = language.language_id	Foreign key referencing film.language_id

Unique keys

	Column	Name/Description
	language_id	Unique number for a language



## 2.14. Table: Film Actor

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique number for an actor/actress
	film_id	SMALLINT	Unique number for a movie
	last update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update


Links to

Table	Join	Title/Name/Description
actor	film_actor.actor_id = actor.actor_id	Foreign key referencing actor.actor_id
film	film_actor.film_id = film.film_id	Foreign key referencing film.film_id

Unique keys

	Column	Name/Description
	actor_id	Unique number for an actor/actress
	film_id	Unique number for a movie


## 2.15. Table: Actor

	Columns	Data Type	Description
	actor_id	SERIAL	Unique number for the main actor/actress of the movie
	first_name	CHARACTER VARYING (45)	First name of the actor/actress
	last_name	CHARACTER VARYING (45)	Last name of the actor/actress
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update

Linked from

Table	Join	Title/Name/Description
film_actor	film_actor.actor_id = actor.actor_id	Foreign key referencing film_actor.actor_id

## Unique keys

	Column	Name/Description
	actor_id	Unique number for the main actor/actress of the movie