



Rockbuster **Stealth**

Data Dictionary

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Introduction

This document is a data dictionary for the PostgreSQL database used by Rockbuster Stealth, a fictional global movie rental company. It explains the structure of the database and provides business-friendly descriptions of the core tables and fields used in the analysis.

Data Set

The information in this data dictionary is based on the Rockbuster Stealth dataset that includes details on stores, staff, customers, film inventory, rentals, and payments. The Rockbuster data set can be found [here](#).

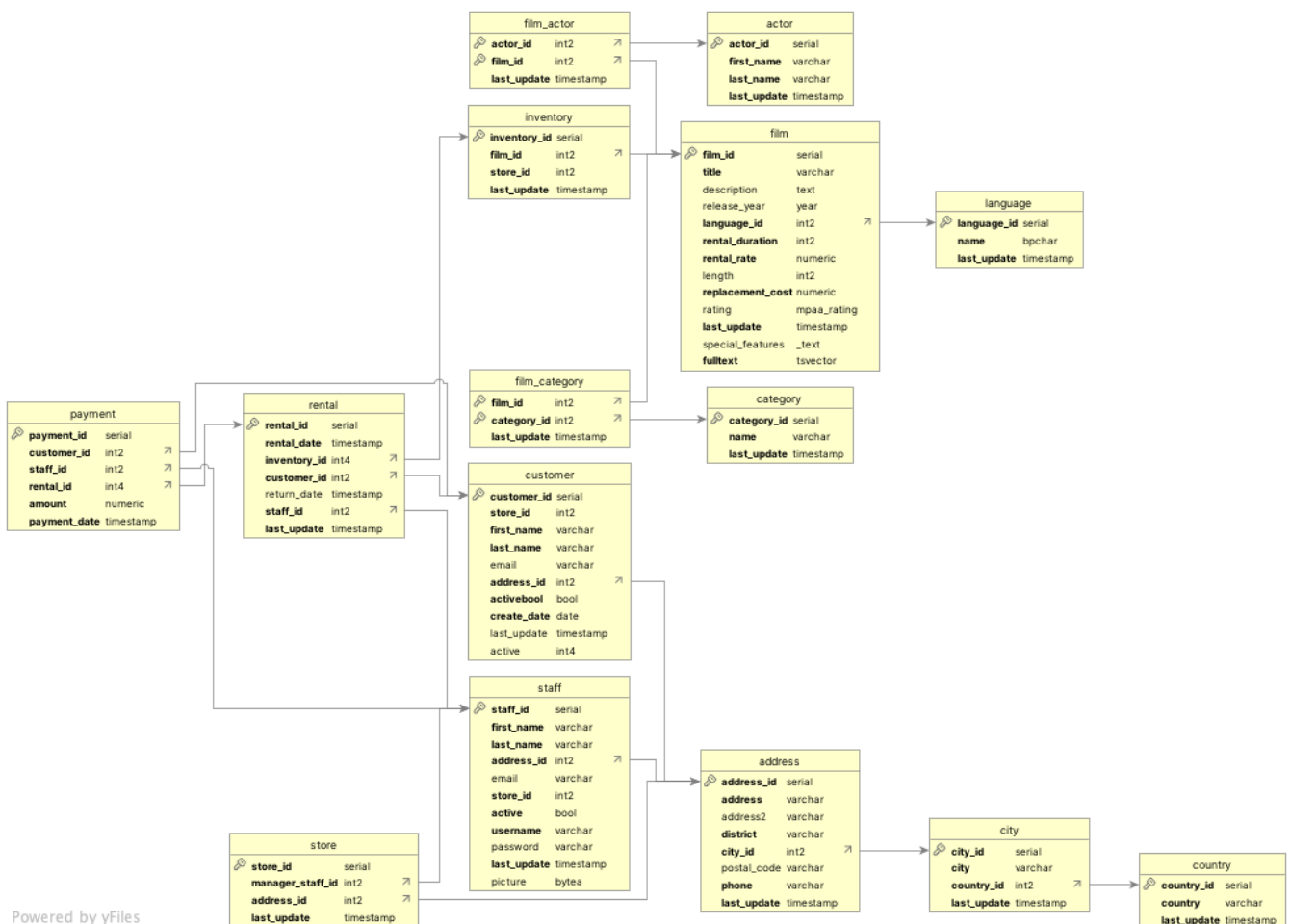


Symbol	Meaning
	Primary Key
	Foreign Key





Entity Relationship Diagram (ERD)



Figure 1: Entity Relationship Diagram (ERD) for the Rockbuster Stealth database, showing fact and dimension tables and their key relationships.








Payment			
Column Name	Data Type	Description	Relationship
payment_id	serial	Unique identifier for payment transaction	
customer_id	smallint	Unique identifier for customer who made payment	 links to rental and customer tables via customer_id
staff_id	smallint	Unique identifier for staff who processed transaction	 links to rental and staff tables via staff_id
rental_id	integer	Rental record associated with payment	 links to rental table via rental_id
amount	numeric(5,2)	Total amount customer paid for transaction	
payment_date	timestamp without time zone	Date and time when payment was recorded	




Rental			
Column Name	Data Type	Description	Relationship
rental_id	serial	Rental record associated with payment	
rental_date	timestamp without time zone	Date and time of rental	
inventory_id	integer	Unique identifier for inventory	
customer_id	smallint	Unique identifier for customer who made payment	
return_date	timestamp without time zone	Date and time of rental return	
staff_id	smallint	Unique identifier for staff who processed transaction	
last_update	timestamp without time zone	Date and time of last update	






Actor			
Column Name	Data Type	Description	Relationship
actor_id	serial	Unique identifier for actor	
first_name	varchar(45)	First name of actor	
last_name	varchar(45)	Last name of actor	
last_update	timestamp without time zone	Date and time of last update	

Address			
Column Name	Data Type	Description	Relationship
address_id	serial	Unique identifier for address	
address	varchar(50)	Street address	
address2	varchar(50)	Additional address (may be null)	
district	varchar(20)	Districtm region, state, or prefecture of address	
city_id	smallint	Unique identifier for city	
postal_code	varchar(10)	Zip or postal code of address	
phone	varchar(20)	Phone number	
last_update	timestamp without time zone	Date and time of last update	



Category			
Column Name	Data Type	Description	Relationship
category_id	serial	Unique identifier for category	
name	varchar(25)	Genre of film	
last_update	timestamp without time zone	Date and time of last update	

City			
Column Name	Data Type	Description	Relationship
city_id	serial	Unique identifier for city	
city	varchar(50)	City name	
country_id	smallint	Unique identifier for country	
last_update	timestamp without time zone	Date and time of last update	

Country			
Column Name	Data Type	Description	Relationship
country_id	serial	Unique identifier for country	
country	varchar(50)	Country name	
last_update	timestamp without time zone	Date and time of last update	



Customer			
Column Name	Data Type	Description	Relationship
customer_id	serial	Unique identifier for customer	
store_id	smallint	Unique identifier for store	
first_name	varchar(45)	Customer first name	
last_name	varchar(45)	Customer last name	
email	varchar(50)	Customer email	
address_id	smallint	Unique identifier for customer address	
activebool	boolean	Customer active status (true/false)	
create_date	date	Customer acquisition date	
last_update	timestamp without time zone	Date and time of last update	
active	integer	Customer active status (binary)	



Film			
Column Name	Data Type	Description	Relationship
film_id	serial	Unique identifier for film	
title	varchar(255)	Film title	
description	text	Film description	
release_year	integer	Year of film release	
language_id	smallint	Unique identifier for language of film	
rental_duration	smallint	Number of days film was rented	
rental_rate	numeric(4,2)	Price of rental rate	
length	smallint	Length of film	
replacement_cost	numeric(5,2)	Price of rental (replacement cost)	
rating	Mpaa rating	Film rating	
last_update	timestamp without time zone	Date and time of last update	
special_features	text[]	Extra features (commentary, deleted scenes, BTS, trailers)	
fulltext	tsvector	Improves searches (keywords in film description)	









Film Actor			
Column Name	Data Type	Description	Relationship
actor_id	smallint	Unique identifier for actor	
film_id	smallint	Unique identifier for film	
last_update	timestamp without time zone	Date and time of last update	

Film Category			
Column Name	Data Type	Description	Relationship
film_id	smallint	Unique identifier for film	
category_id	smallint	Unique identifier for film category	
last_update	timestamp without time zone	Date and time of last update	

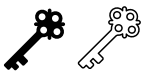

Inventory			
Column Name	Data Type	Description	Relationship
inventory_id	serial	Unique identifier for inventory item	
film_id	smallint	Unique identifier for film	
store_id	smallint	Unique identifier for store	
last_update	timestamp without time zone	Date and time of last update	



Language			
Column Name	Data Type	Description	Relationship
language_id	serial	Unique identifier for film language	 
name	char(20)	Language name	
last_update	timestamp without time zone	Date and time of last update	

Store			
Column Name	Data Type	Description	Relationship
store_id	serial	Unique identifier for store	 
manager_staff_id	smallint	Store manager ID	
address_id	smallint	Store address ID	
last_update	timestamp without time zone	Date and time of last update	



Staff			
Column Name	Data Type	Description	Relationship
staff_id	serial	Unique identifier for staff member	
first_name	varchar(45)	Staff member first name	
last_name	varchar(45)	Staff member last name	
address_id	smallint	Unique identifier for address of staff member	
email	varchar(50)	Staff member email	
store_id	smallint	Unique identifier for store	
active	boolean	Staff member active status (true/false)	
username	varchar(16)	Staff member use name	
password	varchar(40)	Staff member password	
last_update	timestamp without time zone	Date and time of last update	
picture	bytea	Staff member image	