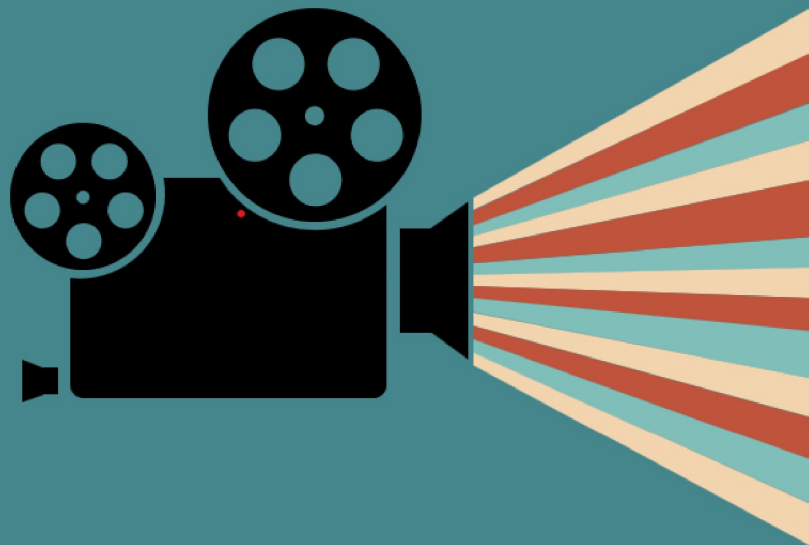


# ROCKBUSTER STEALTH

-DATA DICTIONARY-

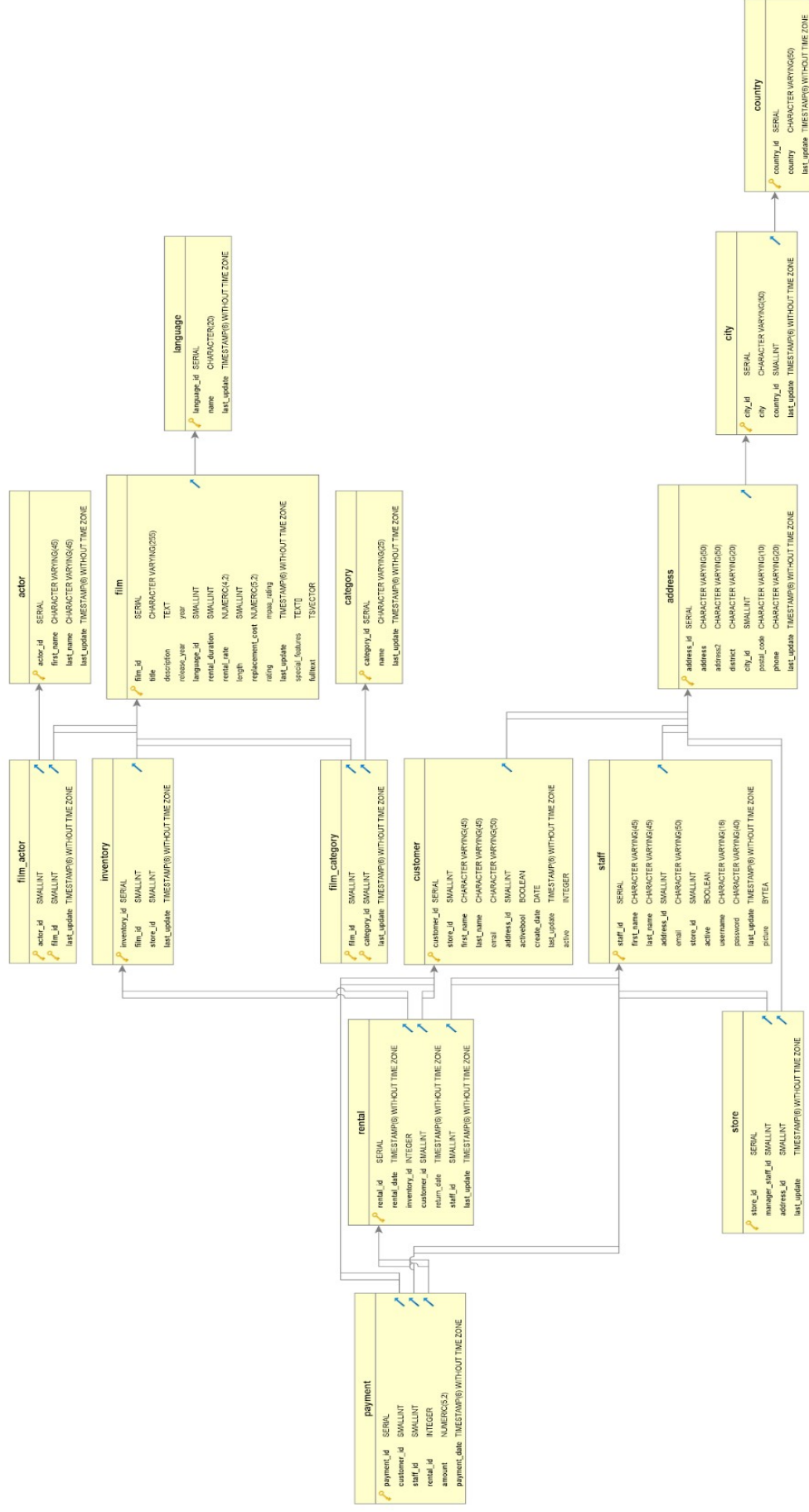


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## Entity Relationship Diagram



## Data Tables

### Legend

PK: Primary Key. This attribute is the primary key for the given table

FK: Foreign Key. This attribute is a primary key for another table

### Fact Tables

#### Payment

Keys	Name	Data Type	Description	Links With
PK	payment_id	serial	Unique ID number for each payment	
FK	customer_id	smallint	Unique ID number for each customer	Customer
FK	staff_id	smallint	Unique ID number for each staff member	Staff
FK	rental_id	integer	Unique ID number for each rental	Rental
	amount	numeric(5,2)	Amount of payment	
	payment_date	timestamp(6)	Last time record was updated	

#### Rental

Keys	Name	Data Type	Description	Links With
PK	rental_id	serial	Unique ID number for each rental transaction	Payment
	rental_date	timestamp(6)	Date movie was rented	
FK	inventory_id	integer	Unique ID number for each inventory item	Inventory
FK	customer_id	smallint	Unique ID number for each customer	Customer
	return_date	timestamp(6)	Date movie was returned	
FK	staff_id	smallint	Unique ID number for each staff member	Staff
	last_update	timestamp(6)	Last time record was updated	

### Dimension Tables

#### Film Actor

Keys	Name	Data Type	Description	Links With
PK	actor_id	smallint	Unique ID number for each actor	actor
PK	film_id	smallint	Unique ID number for each film	inventory, film, film_category
	last_update	timestamp(6)	Last time record was updated	

#### Inventory

Keys	Name	Data Type	Description	Links With
PK	inventory_id	serial	Unique ID number for each inventory item	film_actor, film, rental
FK	film_id	smallint	Unique ID number for each film	film, rental

FK	store_id	smallint	Unique ID number for each store	customer
	last_update	timestamp(6)	Last time record was updated	

### Film Category

Keys	Name	Data Type	Description	Links With
PK	film_id	smallint	Unique ID number for each film	film_actor, inventory, film
PK	category_id	smallint	Unique ID number for each category	category
	last_update	timestamp(6)	Last time record was updated	

### Customer

Keys	Name	Data Type	Description	Links With
PK	customer_id	serial	Unique ID number for each customer	payment, rental
FK	store_id	smallint	Unique ID number for each store	store
	first_name	character varying(45)	Customers first name	
	last_name	character varying(45)	Customers last name	
	email	character varying(45)	Customers email address	
FK	address_id	smallint	Unique ID number for each address	address
	activebool	boolean	T/F operator to indicate if active or past customer	
	create_date	date	Date customer record was created	
	last_update	timestamp(6)	Last time record was updated	
	active	integer	Int operator to indicate if active or past customer	

### Staff

Keys	Name	Data Type	Description	Links With
PK	staff_id	serial	Unique ID number for each staff member	payment
	first_name	character varying(45)	Staff first name	
	last_name	character varying(45)	Staff last name	
FK	address_id	smallint	Unique ID number for each address	address
	email	character varying(45)	Staff email address	
FK	store_id	smallint	Unique ID number for each store	store
	active	boolean	T/F operator to indicate if active or past customer	
	username	character varying(45)	Staff username	

password	character varying(45)	Staff password
last_update	timestamp(6)	Last time record was updated
picture	bytea	Staff picture

#### Actor

Keys	Name	Data Type	Description	Links With
PK	actor_id	serial	Unique ID number for each actor	film_actor
	first_name	character varying(45)	Actor first name	
	last_name	character varying(45)	Actor last name	
	last_update	timestamp(6)	Last time record was updated	

#### Film

Keys	Name	Data Type	Description	Links With
PK	film_id	serial	Unique ID number for each film	film_actor, film_category, inventory
	title	character varying(45)	Title of film	
	description	text	Description of film	
	release_year	year	Release Year of film	
FK	language_id	smallint	Unique ID number for each language	language
	rental_duration	smallint	Length of rental period	
	rental_rate	numeric(4,2)	Rental cost of film	
	length	smallint	Length of film in minutes	
	replacement_cost	numeric(5,2)	Replacement Cost of film	
	rating	mppa_rating	Rating of film	
	last_update	timestamp(6)	Last time record was updated	
	special_features	text	Special features film has (ex Behind the scenes)	
	fulltext	tsvector	Key words describing film	

#### Category

Keys	Name	Data Type	Description	Links With
PK	category_id	serial	Unique ID number for each category	film_category
	name	character varying(25)	Category name	
	last_update	timestamp(6)	Last time record was updated	

## Language

Keys	Name	Data Type	Description	Links With
PK	language_id	serial	Unique ID number for each language	film
	name	character(20)	Language name	
	last_update	timestamp(6)	Last time record was updated	

## Address

Keys	Name	Data Type	Description	Links With
PK	address_id	serial	Unique ID number for each address	staff, store
	address	character varying(50)	Street address	
	address2	character varying(50)	Other necessary info (apartment number, PO box)	
	district	character varying(50)	District or State	
FK	city_id	smallint	Unique ID number for each city	city
	postal_code	character varying(50)	Postal code for each address	
	phone	character varying(50)	Phone number for customer at address	
	last_update	timestamp(6)	Last time record was updated	

## City

Keys	Name	Data Type	Description	Links With
PK	city_id	serial	Unique ID number for each city	Address
	city	character varying(50)	City name	
FK	country_id	smallint	Unique ID number for each country	Country
	last_update	timestamp(6)	Last time record was updated	

## Country

Keys	Name	Data Type	Description	Links With
PK	country_id	serial	Unique ID number for each country	City
	country	character varying(50)	Name of country	
	last_update	timestamp(6)	Last time record was updated	

## Store

Keys	Name	Data Type	Description	Links With
PK	store_id	serial	Unique ID number for each store	Staff
	manager_staff_id	smallint	Unique ID number for each manager	

FK	address_id	smallint	Unique ID number for each address	Address
	last_update	timestamp(6)	Last time record was updated	