



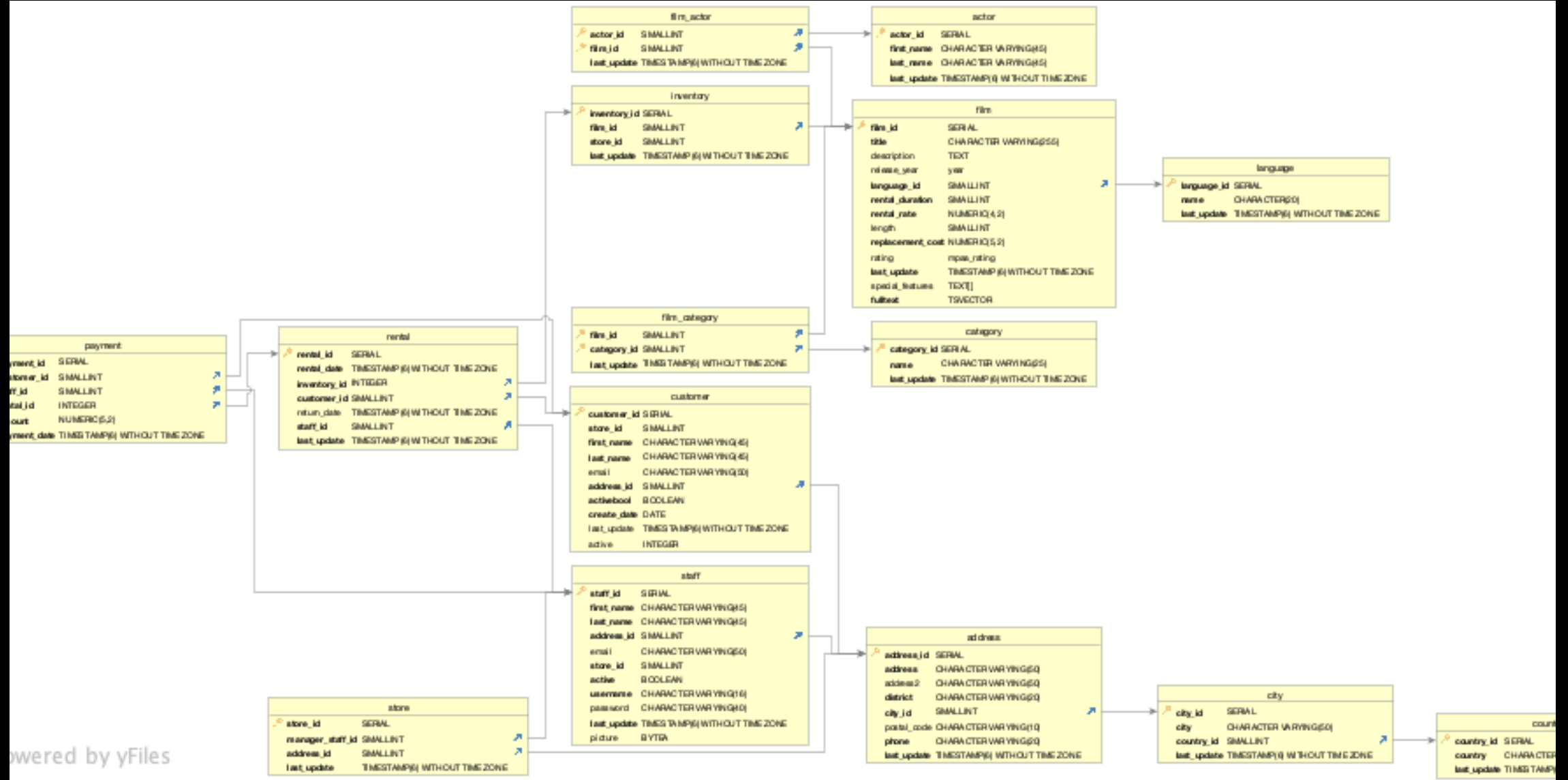
# Rockbuster Stealth Data Dictionary

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# Entity Relationship Diagram



## Fact Tables: Rental

Column	Data Type	Description	Key	Links to	Links From
rental_id	SERIAL	Number assigned to rental	Primary		Payment
rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date rented			
inventory_id	INTEGER	Number assigned to inventory	Foreign	Inventory	
customer_id	SMALLINT	Number assigned to customer	Foreign	Customer	
return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date rental returned			
staff_id	SMALLINT	Number assigned to employee	Foreign	Staff	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			

## Dimension Tables: Payment

Column	Data Type	Description	Key	Links to	Links From
payment_id	SERIAL	Number assigned to payment	Primary		
customer_id	SMALLINT	Number assigned to customer	Foreign	Customer	
staff_id	SMALLINT	Number assigned to employee	Foreign	Staff	
rental_id	INTEGER	Number assigned to rental	Foreign	Rental	
amount	NUMBER (5,2)	Payment amount			
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of payment			

## Dimension Tables: Inventory

Column	Data Type	Description	Key	Links to	Links From
inventory_id	SERIAL	Number assigned to inventory	Primary		Rental
film_id	SMALLINT	Number assigned to film	Foreign	Film	
store_id	SMALLINT	Number assigned to store			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			

## Dimension Tables: Film\_actor

Column	Data Type	Description	Key	Links to	Links From
actor_id	SMALLINT	Number assigned to actor	Primary		
film_id	SMALLINT	Number assigned to film	Foreign	Film	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			

### Dimension Tables: Film\_category

Column	Data Type	Description	Key	Links to	Links From
film_id	SMALLINT	Number assigned to film	Primary		
category_id	SMALLINT	Number assigned to category	Foreign	Category	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			



## Dimension Tables: Customer

Column	Data Type	Description	Key	Links to	Links From
customer_id	SERIAL	Number assigned to customer	Primary		Payment
store_id	SMALLINT	Number assigned to store	Foreign	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_id	SMALLINT	Number assigned to customer address	Foreign	Address	
activebool	BOOLEAN	Customer's active status			

**Dimension Tables: Customer**

Column	Data Type	Description	Key	Links to	Links From
Create_date	DATE	Date created			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			
Active	INTEGER	Customer's active status			

## Dimension Tables: Staff

Column	Data Type	Description	Key	Links to	Links From
Staff_id	SERIAL	Number assigned to employee	Primary		Payment, rental, store
First_name	CHARACTER VARYING(45)	First name of employee			
Last_name	CHARACTER VARYING(45)	Last name of employee			
Address_id	SMALLINT	Number assigned to employee address	Foreign	Address	
Email	CHARACTER VARYING(5)	Employee email			
Store_id	SMALLINT	Number assigned to store	Foreign	Store	

**Dimension Tables: Staff**

Column	Data Type	Description	Key	Links to	Links From
active	BOOLEAN	Employee's active statue			
username	CHARACTER VARYING(16)	Employee's username			
password	CHARACTER VARYING(40)	Employee's password			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time last updated			
picture	BYTEA	Picture of employee			

## Dimension Tables: Store

Column	Data Type	Description	Key	Links to	Links From
store_id	SERIAL	Number assigned to store	Primary		
manager_staff_id	SMALLINT	Number assigned to manager	Primary	Staff	
address_id	SMALLINT	Number assigned to manager's address	Primary	Address	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time last updated			

## Dimension Tables: Address

Column	Data Type	Description	Key	Links to	Links From
address_id	SERIAL	Number assigned to address	Primary		Store
address	CHARACTER VARYING(50)	Street address			
address2	CHARACTER VARYING(50)	Supplemental street address			
district	CHARACTER VARYING(20)	District			
city_id	SMALLINT	Number assigned to city	Foreign	City	
postal_code	CHARACTER VARYING(10)	Postal code			
phone	CHARACTER VARYING(20)	Phone number			
last_update	TIMESTAMP(6) WITHOUT TIME STAMP	Time last updated			

## Dimension Tables: City

Column	Data Type	Description	Key	Links to	Links From
city_id	SERIAL	Number assigned to city	Primary		Address
city	CHARACTER VARYING(50)	City name			
country_id	SMALLINT	Number assigned to country	Foreign	Country	
last_update	TIMESTAMP(6) WIHTOUT TIME ZONE	Time last updated			

## Dimension Tables: Country

Column	Data Type	Description	Key	Links to	Links From
country_id	SERIAL	Number assigned to country	Primary		City
country	CHARACTER VARYING(50)	Country name			
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time last updated			



## Dimension Tables: Actor

Column	Data Type	Description	Key	Links to	Links From
Actor_id	SERIAL	Number assigned to actor	Primary		Film_actor
First_name	CHARACTER VARYING(45)	First name of actor			
Last_name	CHARCTER VARYING(45)	Last name of actor			
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time last updated			

## Dimension Tables: Language

Column	Data Type	Description	Key	Links to	Links From
language_id	SERIAL	Number assigned to language	Primary		Film
name	CHARACTER(20)				
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time last updated			

## Dimension Tables: Film

Column	Data Type	Description	Key	Links to	Links From
film_id	SERIAL	Number assigned to film	Primary		Film_actor, inventory
title	CHARACTER VARYING(255)	Title of film			
description	TEXT	Description of film			
release_year	Year	Year film was released			
language_id	SMALLINT	Number assigned to language	Foreign	Language	
rental_duration	SMALLINT	Duration film was rented			
rental_rate	NUMERIC(4,2)	Price of rental			

## Dimension Tables: Film

Column	Data Type	Description	Key	Links to	Links From
length	SMALLINT	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	Time last updated			
special_features	TEXT[]	Special features of film			
filltext	TSVECTOR	Film keywords			

## Dimension Tables: Category

Column	Data Type	Description	Key	Links to	Links From
category_id	SERIAL	Primary			Film_category
name	CHARACTER VARYING(25)				
last_update	TIMESTAMP(6) WITHOUT TIME STAMP				