

# Rockbuster Stealth Data Dictionary

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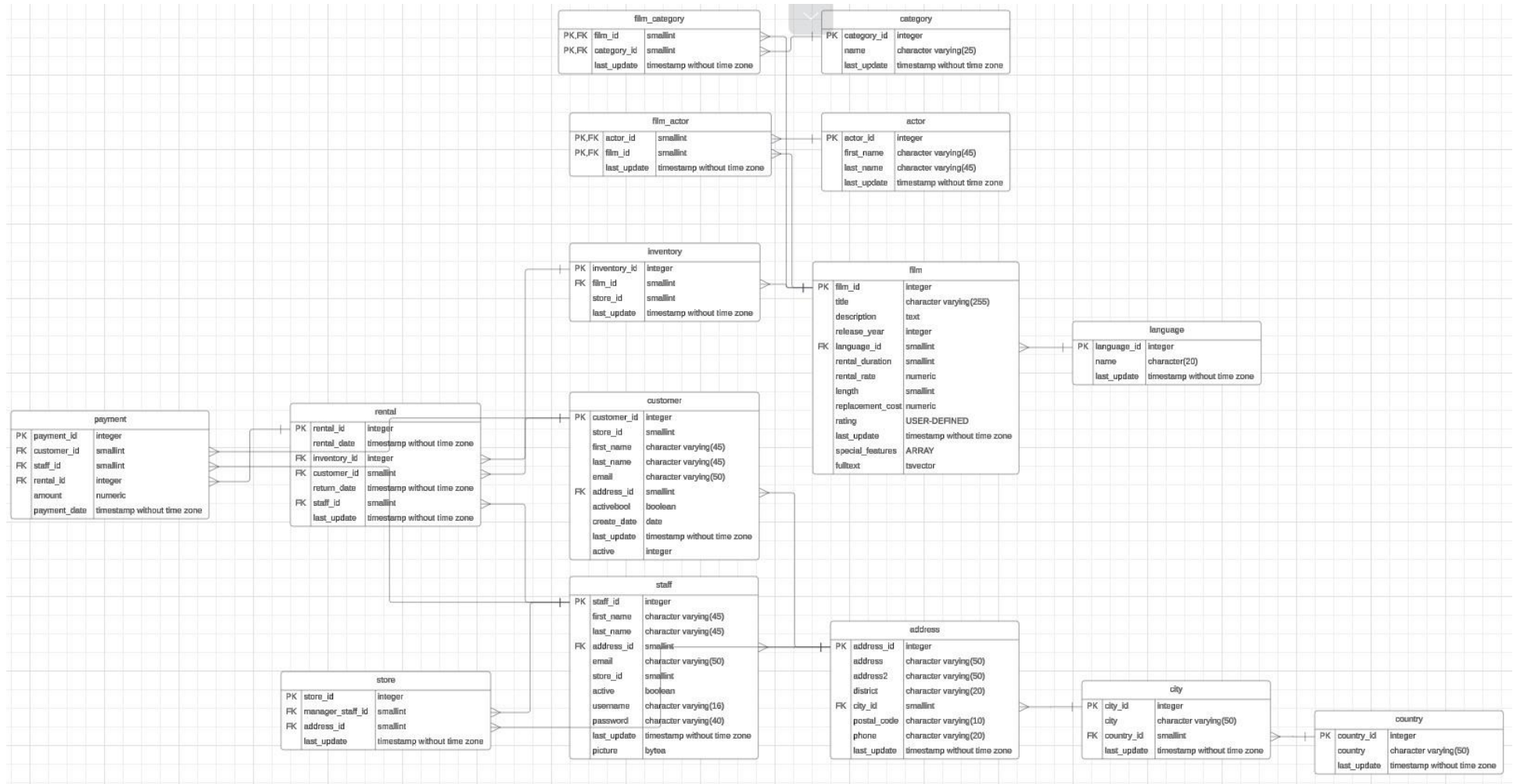
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# Rockbuster Database – Entity Relationship Diagram (ERD)



## Fact Tables

### Payment

Key	Columns	Data Type	Link to	Description
Primary	Payment_id	Integer		Unique number to identify a payment
Foreign	Customer_id	Smallint	customer table	Unique number to identify a customer
Foreign	Staff_id	Smallint	staff table	Unique number to identify a staff member
Foreign	Rental_id	Integer	rental table	Unique number to identify a rental
	Amount	Numeric		Amount of rental
	Payment_date	Timestamp w/o time zone		Date when the rental payment occurred

### Rental

Key	Columns	Data Type	Link to	Description
Primary	Rental_id	Integer	payment table	Unique number to identify a rental
	Rental_date	Timestamp w/o time zone		Date of rental
Foreign	Inventory_id	Integer	inventory table	Unique number
Foreign	Customer_id	Smallint	customer table	Unique number to identify a customer
	Return_date	Timestamp w/o time zone		Date of return
Foreign	Staff_id	Smallint	staff table	Unique number to identify a staff member
	Last_update	Timestamp w/o time zone		Date of last update

## Dimension Tables

### Store

Key	Columns	Data Type	Link to	Description
Primary	Store_id	Integer		Unique number to identify a store
Foreign	Manager_staff_id	Smallint	staff table	Unique number to identify the manager staff
Foreign	Address_id	Smallint	address table	Unique number to identify an address
	Last_update	Timestamp w/o time zone		Date of last update

### Film\_category

Key	Columns	Data Type	Link to	Description
Composite (Primary and Foreign)	Film_id	Smallint	film table	Unique number to identify the film
Composite (Primary and Foreign)	Category_id	Smallint	category table	Unique number to identify the film category
	Last_update	Timestamp w/o time zone		Date of last update

## Film\_Actor

Key	Columns	Data Type	Link to	Description
Composite (Primary and Foreign)	Actor_id	Smallint	actor table	Unique number to identify the actor
(Primary and Foreign)	Film_id	Smallint	film table	Unique number to identify the film
	Last_update	Timestamp w/o time zone		Date of last update

## Inventory

Key	Columns	Data Type	Link to	Description
Primary	Inventory_id	Integer		Unique number to identify the inventory
Foreign	Film_id	Smallint	film table	Unique number to identify the film
	Store_id	Smallint		Unique number to identify the store
	Last_update	Timestamp w/o time zone		Date of last update

## Customer

Key	Columns	Data Type	Link to	Description
Primary	Customer_id	Integer		Unique number to identify the customer
	Store_id	Smallint		Unique number to identify the store
	First_name	Character varying (45)		Customer first name
	Last_name	Character varying (45)		Customer last name
	Email	Character varying (50)		Customer e-mail
Foreign	Address_id	Smallint	address table	Unique number to identify an address
	Activebool	Boolean		Identify if the costumer is active or not
	Create_date	Date		Date of first customer record
	Last_update	Timestamp w/o time zone		Date of last update
	Active	Integer		Indicate if the costumer is active or not

## Staff

Key	Columns	Data Type	Link to	Description
Primary	Staff_id	Integer		Unique number to identify each staff
	First_name	Character varying (45)		Staff first name
	Last_name	Character varying (45)		Staff last name
Foreign	Address_id	Smallint	address table	Unique number to identify an address (to link to address table)
	Email	Character varying (50)		Staff e-mail
	Store_id	Smallint		Unique number to identify the store
	Active	Boolean		Identify if the staff is active or not
	Username	Character varying (16)		Staff username
	Password	Character varying (40)		Staff password
	Last_update	Timestamp w/o time zone		Date of last update
	picture	bytea		Picture of staff

## Category

Key	Columns	Data Type	Link to	Description
Primary	Category_id	Integer		Unique number to identify each category
	Name	Character varying (25)		Category name
	Last_update	Timestamp w/o time zone		Date of last update

## Actor

Key	Columns	Data Type	Link to	Description
Primary	Actor_id	Integer		Unique number to identify each actor
	First_name	Character varying (45)		Actor first name
	Last_name	Character varying (45)		Actor last name
	Last_update	Timestamp w/o time zone		Date of last update



## Film

Key	Columns	Data Type	Link to	Description
Primary	Film_id	Integer		Unique number to identify the film
	Title	Character varying (255)		Character with maximum of 255 length, film title
	Description	Text		Film description (unlimited length)
	Release_year	Integer		Year of film release
Foreign	Language_id	Smallint	language table	Unique number to identify the language
	Rental_duration	Smallint		Days of rental duration
	Rental_rate	Numeric		Rental rate
	Length	Smallint		Small integer, length
	Replacement_cost	Numeric		Numeric, replacement cost
	Rating	USER-DEFINED		Film rating
	Last_update	Timestamp w/o time zone		Date of last update
	Special_features	ARRAY		Additional information
	Fulltext	Tsvector		List of distinct attributes

## Language

Key	Columns	Data Type	Link to	Description
Primary	Language_id	Integer		Unique number to identify the language
	Name	Character (20)		Language name
	Last_update	Timestamp w/o time zone		Date of last update

## Address

Key	Columns	Data Type	Link to	Description
Primary	Address_id	Integer		Unique number to identify the address
	Address	Character varying (50)		Address 1
	Address2	Character varying (50)		Address 2
	District	Character varying (20)		Name of district
Foreign	City_id	Smallint	city table	Unique number to identify the city
	Postal_code	Character varying (10)		Postal code
	Phone	Character varying (20)		Phone number
	Last_update	Timestamp w/o time zone		Date of last update

## City

Key	Columns	Data Type	Link to	Description
Primary	City_id	Integer		Unique number to identify each city
	City	Character varying (50)		Name of city
Foreign	Country_id	Smallint	country table	Unique number to identify the country
	Last_update	Timestamp w/o time zone		Date of last update

Country

Key	Columns	Data Type	Link to	Description
Primary	Country_id	Integer		Unique number to identify each country
	Country	Character varying (50)		Name of country
	Last_update	Timestamp w/o time zone		Date of last update