



ROCKBUSTER ENTITY RELATIONSHIP DIAGARM (ERD)

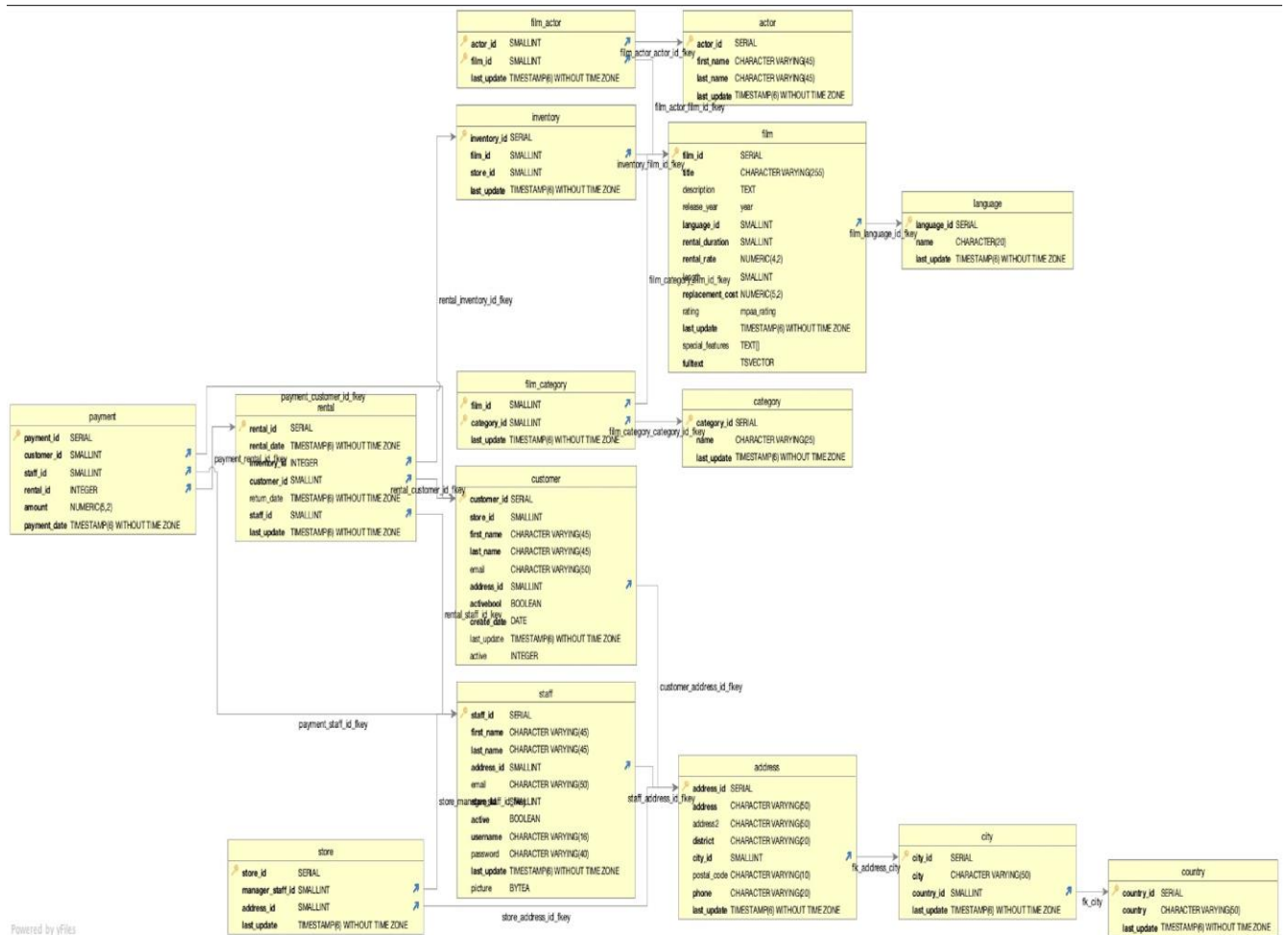
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Rockbuster Stealth Entity Relationship Diagram (ERD)



Legend

PK	Primary Key
FK	Foreign Key

Fact table(s)

Table Name: Rental

Key	Columns	Data Type	Description	Table Link
PK	Rental_id	Serial	Id assigned to each movie rental	Payment
	Rental_date	Timestamp (6) without time zone	Date of rental	
FK	Inventory_id	Integer	Id assigned for inventory	Inventory
FK	Customer_id	Smallint		Customer
	Return_date	Timestamp (6) without time zone	Date of return	
FK	Staff_id	Smallint	Id assigned to staff	Staff
	Last_update	Timestamp (6) without time zone	Last updated date	

Dimension Table(s)

Table Name: Inventory

Key	Columns	Data Type	Description	Table Link
PK	Inventory_id	Serial	Id assigned for inventory	Rental
FK	Film_id	Int2	Id assigned for film	Film
FK	Store_id	Int2	Id assigned for stor	Store
	Last_update	timestamp	Last updated date	
	Return_date	Timestamp (6) without time zone	Date of return	

Table Name: Customer

Key	Columns	Data Type	Description	Table Link
PK	Customer_id	Serial	Id assigned for customer	Payment, Rental
FK	Store_id	Int2	Id assigned for store	Store
	First_name	Varchar	Customer first name	
	Last_name	Varchar	Customer last name	
	Email	Varchar	Customer email	
FK	Address_id	Int2	Customer address	Address

	activebool	Bool	Active Status of customer	
	Create_date	Date	Creation date	
	Last_update	Timestamp	Last updated date/time	
	Active	Int4	Status of customer	

Table Name: Staff

Key	Columns	Data Type	Description	Table Link
PK	Staff_id	serial	Id assigned for staff	Payment,Rental
	first_name	Varchar	Staff first name	
	Last_name	Varchar	Staff last name	
FK	Address_id	Int2	Staff address	Address
	Email	Varchar	Staff email	
FK	Store_id	Int2	Id assigned to store	Store
	active	Bool	Status of staff	
	Username	Varchar	Staff username	
	Password	Varchar	Staff password	
	Last_update	Timestamp	Last updated date/time	

Table Name: Payment

Key	Columns	Data Type	Description	Table Link
PK	Payment_id	Serial	Id assigned for payment	
FK	Customer_id	Int2	Id assigned for customer	Customer
FK	Staff_id	Int2	Id assigned for staff	Staff
FK	Rental_id	Int4	Id assigned for renta	Rental
	Amount	Numeric	Payment amount	
	Payment_date	Timestamp	Payment last updated date/time	

Table Name: Store

Key	Columns	Data Type	Description	Table Link
PK	Store_id	Serial	Id assigned for store	Customer, Inventory, Staff
	Manager_staff_id	Int2	Id assigned for Manager	
FK	Address_id	Int2	Store address	Address
	Last_update	Timestamp	Last updated date/time	

Table Name: Language

Key	Columns	Data Type	Description	Table Link
PK	Language_id	Serial	Id assigned for language	Film
	Name	Bpchar	Name of Language	
	Last_update	timestamp	Last updated date/time	

Table Name: Film Category

Key	Columns	Data Type	Description	Table Link
PK	Film_id	Int2	Id assigned for film	Film
FK	Category_id	Int2	Id assigned for category	Category
	Last_update	Timestamp	Last updated date/time	

Table Name: Film Actor

Key	Columns	Data Type	Description	Table Link
PK	Actor_id	Int2	Id assigned to actor	Actor
FK	Film_id	Int2	Id assigned to fim	Film
	Last_update	Timestamp	Last updated date/time	

Table Name: Film

Key	Columns	Data Type	Description	Table Link
PK	Film_id	Serial	Id assigned to film	Film_Actor, Inventory, Film Category
	Title	Varchar	Title of film	
	Description	Text	Description of film	
	Release_year	Year	File release year	
FK	Language_id	Int2	Id assigned to language	Language
	Renteal_duration	Int2	Length of rental	
	Rental_rate	Numeric	Rate of rental	
	Length	Int2	Duration of film	
	Replacement_cost	Numeric	Cost of film to replace	
	Rating	Mpaa_rating	Rating of film	
	Last_update	Timestamp	Last updated date/time	
	Special_features	Text	Special features available (HD, subtitles, language)	
	fulltext	tsvector	Keywords, metatags	

Table Name: Country

Key	Columns	Data Type	Description	Table Link
PK	Country_id	Serial	Id assigned to country	City
	Country	varchar	Name of country	
	Last_update	timestamp	Last updated date/time	

Table Name: City

Key	Columns	Data Type	Description	Table Link
PK	City_id	Serial	Id assigned to city	Address
	City	varchar	Name of City	
FK	Country_id	Int2	Id assigned to country	Country
	Last_update	timestamp	Last updated date/time	

Table Name: Category

Key	Columns	Data Type	Description	Table Link
PK	Category_id	serial	Id assigned to category	Film Category
	Name	varchar	Name of category	
	Last_update	timestamp	Last updated date/time	

Table Name: Address

Key	Columns	Data Type	Description	Table Link
PK	Address_id	Serial	Id assigned to address	Customer, Staff, Store
	Address	Varchar	Address	
	Address2	Varchar	Address	
	District	Varchar	District of address	
FK	City_id	Int2	City	City
	Postal_code	Varchar	Postal code	
	Phone	Varchar	Phone number	
	Last_update	timestamp	Last updated date/time	

Table Name: Actor

Key	Columns	Data Type	Description	Table Link
PK	Actor_id	Serial	Id assigned to actor	Film Actor
	First_name	Varchar	First Name	
	Last_name	Varchar	Last Name	
	Last_update	Timestamp	Last updated date/time	