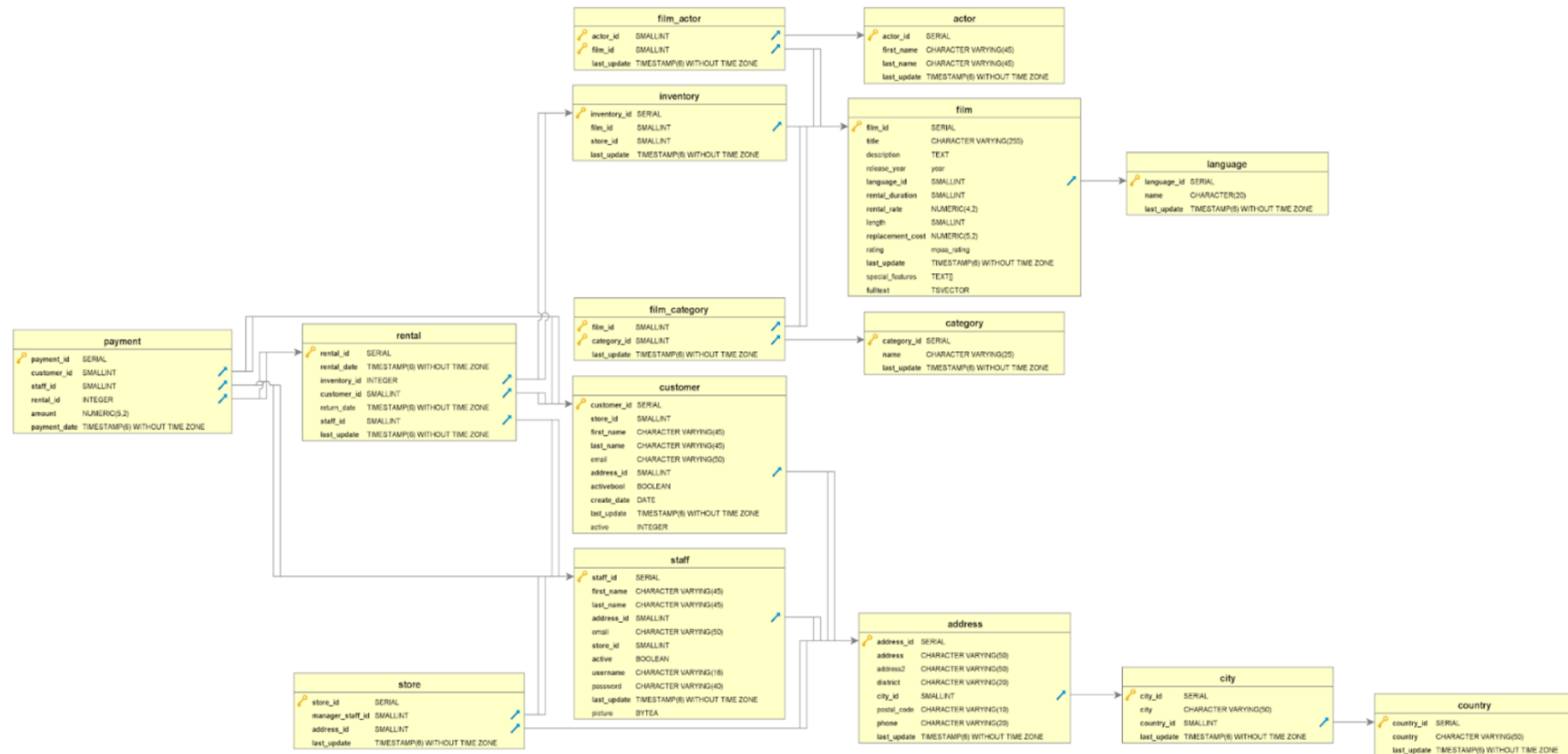

Rockbuster Sealth LLC

Data Dictionary

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Entity Relationship Diagram







Legend

 Primary Key

 Foreign Key





Fact Table:

Rental Table




KEY	COLUMN	DATA TYPE	DESCRIPTION
	rental_id	SERIAL	Rental id number
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Rental date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	inventory_id	INTERGER	Inventory id number
	customer_id	SMALLINT	Customer id number
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Return date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	staff_id	SMALLINT	Staff id number
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format

Dimension Tables:




Payment Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	payment_id	SERIAL	Payment id number
	customer_id	SMALLINT	Customer id number
	staff_id	SMALLINT	Staff id number
	rental_id	INTERGER	Rental id number
	amount	NUMERIC (5,2)	Price of rental
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Payment date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format



Customer Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	customer_id	SERIAL	Customer id number
	store_id	SMALLINT	Store id number
	first_name	CHARACTER VARYING (45)	Customer first Name
	last_name	CHARACTER VARYING (45)	Customer last Name
	email	CHARACTER VARYING (45)	email address (lower case)
	address_id	SMALLINT	Address id number
	activebool	BOOLEAN	Active customer (true or false)
	created_date	DATE	Date account created yyyy-mm-dd
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	active	INTERGER	Active customer (1 or 0)



Staff Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	staff_id	SERIAL	Staff id number
	first_name	CHARACTER VARYING (45)	First Name
	last_name	CHARACTER VARYING (45)	Last Name
	address_id	SMALLINT	Address id number
	email	CHARACTER VARYING (50)	email address with upper and lowercase
	store_id	SMALLINT	Store id number
	active	BOOLEAN	Active staff (true or false)
	username	CHARACTER VARYING (16)	First Name of user
	password	CHARACTER VARYING (40)	Password
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	picture	BYTEA	Picture of employee



Store Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	store_id	SERIAL	Store id number
	manager_staff_id	SMALLINT	Manager id number
	address_id	SMALLINT	Address id number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format


Address Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	address_id	SERIAL	Address id number
	address	CHARACTER VARYING (50)	Address
	address2	CHARACTER VARYING (50)	Alternate address
	district	CHARACTER VARYING (20)	District
	city_id	SMALLINT	City id number
	postal_code	CHARACTER VARYING (10)	Postal zip code
	phone	CHARACTER VARYING (20)	Phone number without dashes
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format





City Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	city_id	SERIAL	City id number
	city	CHARACTER VARYING (50)	City
	country_id	SMALLINT	Country id number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format


Country Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	country_id	SERIAL	Country id number
	country	CHARACTER VARYING (50)	Country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format



Film Category Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
 	film_id	SMALLINT	Film id number
 	category_id	SMALLINT	Category id number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format


Category Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	category_id	SERIAL	Category id number
	name	CHARACTER VARYING (25)	Genre
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format




Film Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	film_id	SERIAL	Film id number
	title	CHARACTER VARYING (255)	Film title
	description	TEXT	Film description
	release_year	year	Year the film was released
	language_id	SMALLINT	Language id number
	rental_duration	SMALLINT	Number of days film was rented
	rental_rate	NUMERIC (4,2)	Price to rent the film
	length	SMALLINT	Film length in minutes
	replacement_cost	NUMERIC (5,2)	Cost to replace the film
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	special_features	TEXT []	Special features of the film (i.e. Commentaries, Trailer, Behind the Scenes, Deleted Scenes)
	fulltext	TSVECTOR	Text of key words optimized for querying


Language Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	language_id	SERIAL	Language id number
	name	CHARACTER (20)	Language
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format

Inventory Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	inventory_id	SERIAL	Inventory id number
	film_id	SMALLINT	Film id number
	store_id	SMALLINT	Store id number
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format

Actor Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
	actor_id	SERIAL	Actor id number
	first_name	CHARACTER VARYING (45)	First Name
	last_name	CHARACTER VARYING (45)	Last Name
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format

Film Actor Table





KEY	COLUMN	DATA TYPE	DESCRIPTION
 	actor_id	SMALLINT	Actor id number
 	film_id	SMALLINT	Film id number
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Last update date and timestamp without time zone yyyy-mm-dd hh:mm:ss 24hr format
	actor_id	SMALLINT	Actor id number

Table Links

Relationship of tables via primary and foreign keys

Primary Key Foreign Key	Actor	Address	Category	City	Country	Customer	Film	Film Actor	Film Category	Inventory	Language	Payment	Rental	Staff	Store
Actor	Actor ID							Actor ID							
Address		Address ID		City ID										Address ID	Address ID
Category			Category ID						Category ID						
City		City ID		City ID	Country ID										
Country				Country ID	Country ID										
Customer						Customer ID						Customer ID	Customer ID		
Film	Actor ID						Film ID	Film ID	Film ID	Film ID	Language ID				
Film Actor							Film ID	Actor ID Film ID							
Film Category			Category ID				Film ID		Category ID Film ID						
Inventory							Film ID			Inventory ID			Inventory ID		
Language							Language ID				Language ID				
Payment						Customer ID						Payment ID	Rental ID	Staff ID	
Rental						Customer ID				Inventory ID		Rental ID	Rental ID	Staff ID	
Staff		Address ID										Staff ID	Staff ID	Staff ID	Manager staff ID
Store		Address ID												Manager staff ID	Store ID