Data Dictionary
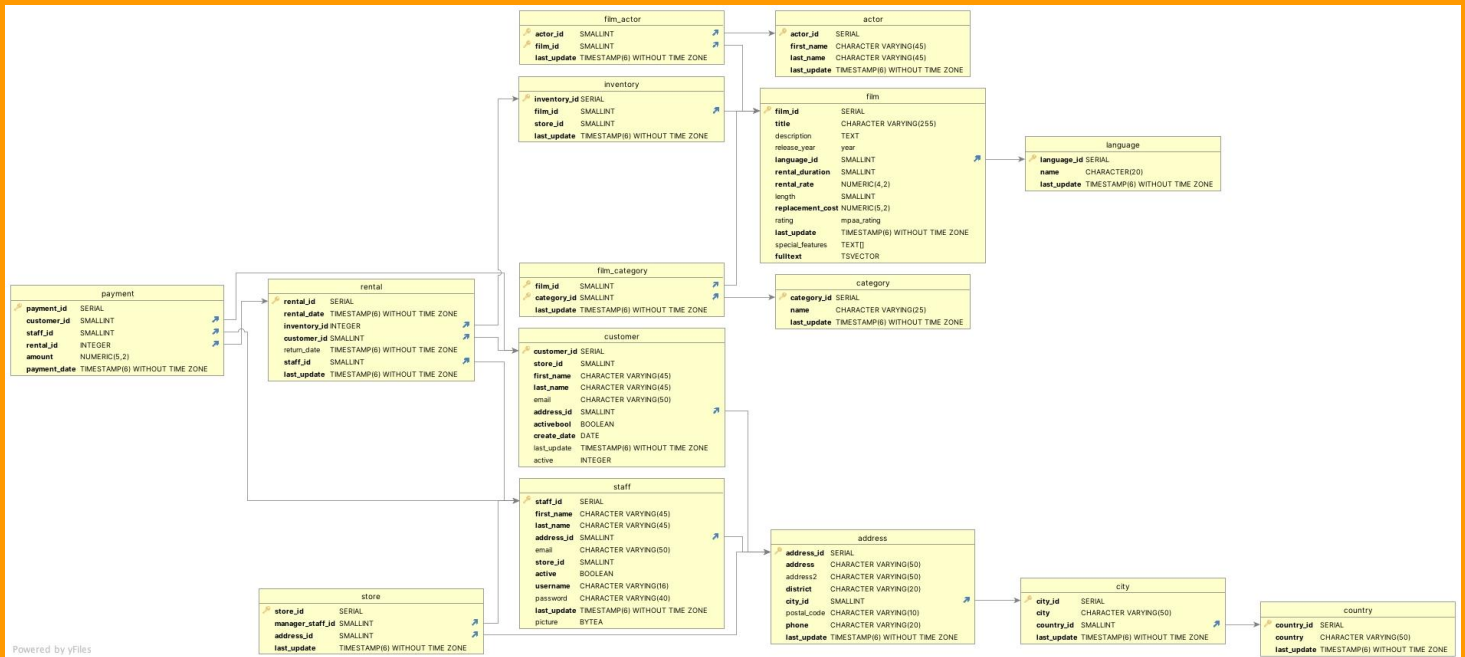
Rockbuster Stealth Database

1. Entity Relationship Diagram

Rockbuster Entity Relationship Diagram

PK:Primary Key
FK: Foreign Key

2. Tables

DIMENSION TABLE:

Film:

film		
Column	**Data Type**	**Description**
film_id	Serial	Unique film identification number
title	Character Varying (255)	Name of film
description	text	Description of film
release_year	year	Release year of film
language_id	small int	Unique identifier of language
rental _duration	Small int	Duration of rental
rental_rate	Numeric (4,2)	Cost of rental
length	Small int	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	Last update of film profile
special_features	Text []	Special features of film
fulltext	tsvector	Full text index; info about significant words and their location

Film Actor:

film_actor		
Column	**Data Type**	**Description**
actor_id	smallint	ID for actor
film_id	smallint	ID for film

last_update	Timestamp w/o time zone	Last update of table

Actor:

actor		
Column	**Data Type**	**Description**
actor_id	serial	ID for actor
first_name	Character varying (45)	Actor first name
last_name	Character varying (45)	Actor last name
last_update	Timestamp w/o time zone	Last update of table

Inventory:

Inventory		
Column	**Data Type**	**Description**
inventory_id	serial	ID for inventory item
film_id	smallint	ID for film
store_id	smallint	ID for store
last_update	Timestamp w/o time zone	Last update of table

Language:

language		
Column	**Data Type**	**Description**
language_id	serial	ID of language
name	character(20)	Name of language
last_update	Timestamp w/o time zone	Last update of table

Category:

category		
Column	**Data Type**	**Description**
category_id	serial	ID of category
name	Character varying (25)	Name of category
last_update	Timestamp w/o time zone	Last update of table

Film Category:

film_category		
Column	**Data Type**	**Description**
film_id	smallint	ID of film
category_id	smallint	Category of film
last_update	Timestamp w/o time zone	Last update of table

Rental:

Rental		
Column	**Data Type**	**Description**
rental_id	serial	ID of rental
rental_date	Timestamp w/o time zone	Date of rental
inventory_id	integer	ID of inventory
customer_id	smallint	ID of customer
return_date	Timestamp w/o time zone	Date move was returned
staff_id	smallint	ID of staff
last_update	Timestamp w/o time zone	Last update of table

Payment:

Payment		
Column	**Data Type**	**Description**
payment_id	serial	ID of payment
customer_id	smallint	ID of customer
staff_id	smallint	ID of Staff
rental_id	integer	ID of rental
amount	numeric(5,2)	Cost of rental
payment_date	Timestamp w/o time zone	Date payment was made

Customer:

customer		
Column	**Data Type**	**Description**
customer_id	serial	ID of customer
store_id	smallint	ID of Store
first_name	Character varying (45)	Customer first name
last_name	Character varying (45)	Customer last name
email	Character varying (50)	Customer email address
address_id	smallint	ID of address
activebool	boolean	Whether customer is active
create_date	date	Date customer first created
last_update	Timestamp w/o time zone	Last update of table
active	integer	Active integer

Staff:

staff		
Column	**Data Type**	**Description**
staff_id	serial	ID of staff
first_name	Character varying(45)	Staff first name
last_name	Character varying(45)	Staff last name
address_id	smallint	ID of address
email	Character varying(50)	Staff email address
store_id	smallint	ID of Store
active	boolean	Whether staff is active
username	Character varying(16)	Staff username
password	Character varying(40)	Staff password
last_update	Timestamp w/o time zone	Last update of table
picture	bytea	Staff photo

Store:

Store		
Column	**Data Type**	**Description**
store_id	serial	ID of store
manager_staff_id	smallint	ID of manager
address_id	smallint	ID of address
last_update	Timestamp w/o time zone	Last update of table

Address:

address		
Column	**Data Type**	**Description**
address_id	serial	ID of address
address	Character varying (50)	Address line 1
address2	Character varying (50)	Address line 2
district	Character varying (20)	district
city_id	smallint	ID of city
postal_code	Character varying (10)	Postal code
phone	Character varying (20)	Phone number
last_update	Timestamp w/o time zone	Last update of table

City:

city		
Column	**Data Type**	**Description**
city_id	serial	ID of city
city	Character varying (50)	City name
country_id	smallint	ID of country
last_update	Timestamp w/o time zone	Last update of table

Country:

country		
Column	**Data Type**	**Description**
country _id	serial	ID of country
country	Character varying (50)	Country name
last_update	Timestamp w/o time zone	Last update of table

FACT TABLE

Rental:

Rental		
Column	**Data Type**	**Description**
rental_id	serial	ID of Rental
rental_date	Timestamp w/o time zone	Date of Rental
inventory_id	integer	ID of inventory
customer_id	smallint	ID of customer
return_id	Timestamp w/o time zone	Date movie was returned
staff_id	smallint	ID of staff
last_update	Timestamp w/o time zone	Last update of table

Payment:

Payment		
Column	**Data Type**	**Description**
payment_id	serial	ID of payment
customer_id	smallint	ID of customer
staff_id	smallint	ID of staff
rental_id	integer	ID of rental
amount	numeric(5,2)	Cost of rental
payment_date	Timestamp w/o time zone	Date payment was made