ROCKBUSTER STEALTH

DATA DICTONARY

Table of Contents

1. Entity Relationship Diagram 3

2. Data Tables 4

2.1 Film Tables 4

2.1.1 Table: actor 4

2.1.2 Table: category 5

2.1.3 Table: film 6

2.1.4 Table: film_actor 7

2.1.5 Table: film_category 8

2.1.6 Table: inventory 9

2.1.7 Table: language 10

2.2 Payment Tables 11

2.2.1 Table: payment 11

2.2.2 Table: rental 13

2.3 People Tables 15

2.3.1 Table: customer 15

2.3.2 Table: staff 16

2.3.3 Table: store 19

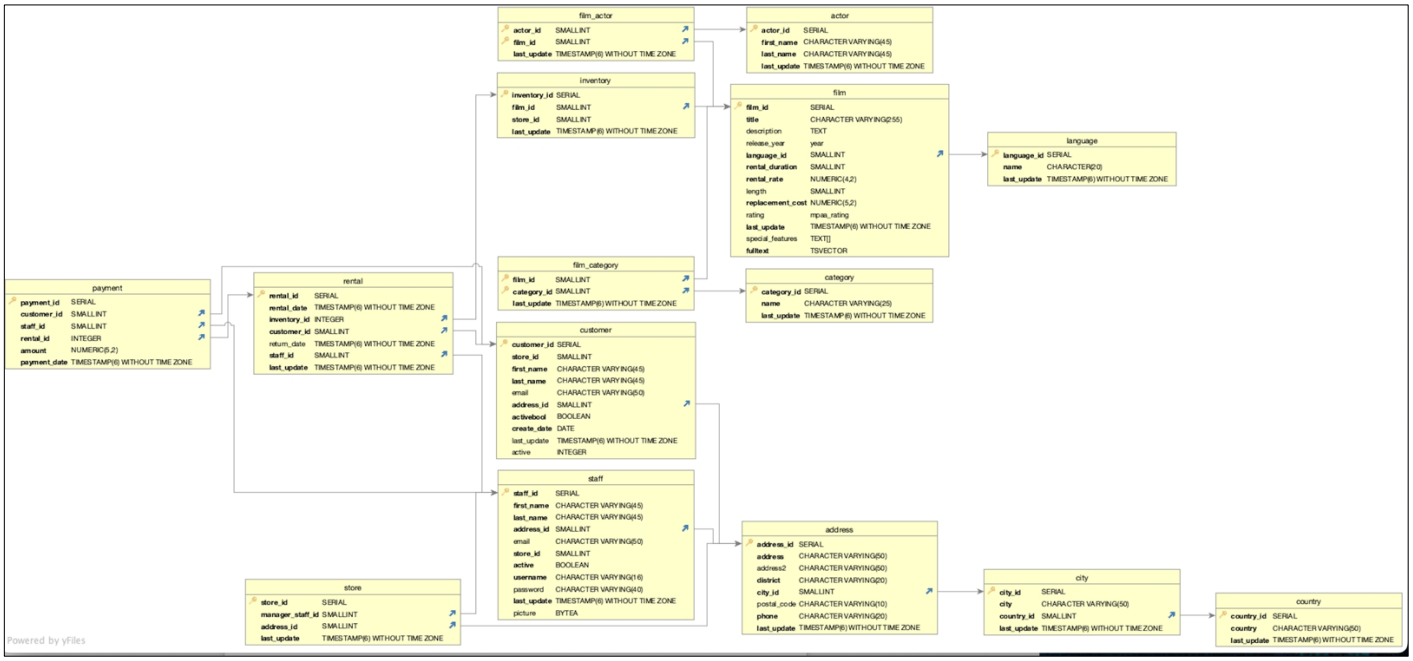
2.4 Location Tables 20

2.4.1 Table: address 20

2.4.2 Table: city 21

2.4.3 Table: country 22

Entity Relationship Diagram



2. Data Tables

2.1 Film Tables

2.1.1 Actor

	Columns	Data Type	Description
PK	actor_id	SMALLINT	Primary key. Unique actor id
	first_name	CHARACTER VARYING(45)	Actor first name
	last_name	CHARACTER VARYING(45)	Actor last name
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
language	film.language_id = language.language.id

Links from

Name	Join
film_actor	film.film_id = film_actor.film_id
Inventory	film.film_id = inventory.film_id
Film_category	film.film_id = film_category.film_id

2.1.2 Category

	Columns	Data Type	Description
PK	category_id	SERIAL	Primary Key. Unique category id
	name	CHARACTER VARYING(25)	Name of category
	last_update	Timestamp(6) without time zone	Date of last update

Links from

Name	Join
film_category	Category.category_id = film_category.category_id

2.1.3 Film

	Columns	Data Type	Description
PK	film_id	SERIAL	Primary Key. Unique film id
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	summary
	release_year	Year	Year released
FK	language_id	SMALLINT	Foreign Key. Language of film
	rental_duration	SMALLINT	Time rented
	rental_rate	NUMERIC(4,2)	Cost of rate
	length	SMALLINT	Duration of film
	replacement_cost	NUMERIC(5,2)	Price to replace
	rating	Mpaa_rating	Move rating
	last_update	Timestamp(6) without time zone	Date of last update
	special_features	TEXT{}	Extras on film
	fulltext	TSVECTOR	Type of index

Links to

Name	Join
language	film.language_id = language.language.id

Links from

Name	Join
film_actor	film.film_id = film_actor.film_id
inventory	film.film_id = inventory.film_id
film_category	film.film_id = film_category.film_id

2.1.4 Film Actor

	Columns	Data Type	Description
PK	actor_id	SMALLINT	Primary Key. Unique actor id
PK	film_id	SMALLIINT	Primary Key. Unique film id
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
actor	film_actor.actor_id = actor.actor_id

Links from

Name	Join
film	film_actor.film_id = film.film_id
inventory	film_actor.film_id = inventory.film_id
film_category	film_actor.film_id = film_category.film_id

2.1.5 Film Category

	Columns	Data Type	Description
PK	film_id	SMALLIINT	Primary Key. Unique film id
PK	category_id	SMALLIINT	Primary Key. Unique category id
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
category	film_category.category_id = category.category_id

Links from

Name	Join
film	film_category.film_id = film.film_id

2.1.6 Inventory

	Columns	Data Type	Description
PK	inventory_id	Integer	Primary Key. Unique inventory id
FK	film_id	SMALLIINT	Foreign Key. Unique film id
FK	store_id	SMALLIINT	Foreign Key. Unique store id
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
film	inventory.film_id = film.film_id

Links from

Name	Join
rental	inventory.inventory_id = rental.inventory_id

2.1.7 Language

	Columns	Data Type	Description
PK	language_id	SERIAL	Primary Key. Unique language id
	name	CHARACTER VARYING(20)	Name
	last_update	Timestamp(6) without time zone	Date of last update

Links from

Name	Join
film	language.language_id = film.language_id

2.2 Payment Tables

2.2.1 Payment

	Columns	Data Type	Description
PK	payment_id	Serial	Primary Key. Unique payment ID
FK	customer_id	SMALLINT	Foreign Key. Unique customer ID
FK	staff_id	SMALLINT	Foreign Key. Unique staff ID
FK	rental_id	INTEGER	Foreign Key. Unique rental id
	amount	Numeric(5,2)	cost
	payment_date	Timestamp(6) without time zone	Payment date

Links to

Name	Join
customer	payment.customer_id = customer.customer_id
rental	payment.rental_id = rental.rental_id
staff	payment.staff_id = staff.staff_id

2.2.2 Rental

	Columns	Data Type	Description
PK	rental_id	Serial	Primary Key. Unique rental ID
	rental_date	Timestamp(6) without time zone	Rental date
FK	inventory_id	Integer	Foreign Key. Unique inventory id
FK	customer_id	SMALLINT	Foreign Key. Unique customer id
	return_date	Timestamp(6) without time zone	Return date of rental
FK	staff_id	SMALLINT	Foreign Key. Unique staff id
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	renal.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

Links from

Name	Join
payment	rental.rental_id = payment.rental_id

2.3 People Tables

2.3.1 Customer

	Columns	Data Type	Description
PK	customer_id	serial	Primary Key. Unique customer id
FK	store_id	SMALLINT	Foreign Key. Unique store id
	first_name	CHARACTER VARYING(45)	1st name of customer
	last_name	CHARACTER VARYING(45)	Last name of customer
	email	CHARACTER VARYING(50)	Customer email address
FK	address_id	SMALLINT	Foreign Key. Unique address id
	activebool	BOOLEAN	Active or not
	create_date	DATE	Date of customer start
	last_update	Timestamp(6) without time zone	Date of last update
	active	INTEGER	number

Links to

Name	Join
staff	customer.address_id = rental.address_id

Links from

Name	Join
rental	customer.customer_id = staff.customer_id

2.3.2 Staff

	Columns	Data Type	Description
PK	staff_id	Integer	Primary Key. Unique staff id
	first_name	CHARACTER VARYING(45)	1st name of staff
	last_name	CHARACTER VARYING(45)	Last name of staff
FK	address_id	SMALLINT	Foreign Key. Unique address id
	email	CHARACTER VARYING(50)	email address of staff
FK	store_id	SMALLIINT	Foreign Key. Unique store id
	active	INTEGER	Active in system or not
	username	CHARACTER VARYING(16)	Staff username
	password	CHARACTER VARYING(40)	Staff password
	last_update	Timestamp(6) without time zone	Date of last update

	picture	BYTEA	Image of staff

Links to

Name	Join
address	staff.address_id = address.address_id

Links from

Name	Join
customer	staff.address_id = customer.address_id
store	staff.store_id = store.store_id
payment	staff.staff_id = payment.staff_id

2.3.3 Store

	Columns	Data Type	Description
PK	store_id	integer	Primary Key. Unique address id
FK	manage_staff_id	smallint	Foreign Key. Unique ID of store
FK	address_id	smalliint	Foreign Key. Unique ID of address
	last_update	Timestamp(6) without time zone)	Time of last upload

Links to

Name	Join
staff	store.address_id = staff.address_id
address	store.addredd_id = address.address_id

2.4 Location Tables

2.4.1 Address

	Columns	Data Type	Description
PK	address_id	SERIAL	Primary Key. Unique address id
	address	CHARACTER VARYING(50)	Street address
	address2	CHARACTER VARYING(50)	Street address 2
	district	CHARCATER VARYING(20)	Neighborhood
FK	city_id	SMALLINT	Foreign Key. Town or city
	postal_code	CHARACTER VARYING(10)	Zip code
	phone	CHARACTER VARYING(20)	Phone number
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
city	address.city_id = city.city_id

Links from

Name	Join
staff	address.city_id = city.city_id
store	address.address_id = store.address_id

2.4.2 City

	Columns	Data Type	Description
PK	city_id	SERIAL	Primary Key. Unique city id
	city	CHARACTER VARYING(50)	Town or city
FK	country_id	SMALLINT	Foreing Key. country
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Name	Join
country	city.city_id = country.city_id

Links from

Name	Join
address	city.city_id = address.city_id

2.4.3 Country

	Columns	Data Type	Description
PK	country_id	SERIAL	Primary Key. Unique country id
	country	CHARACTER VARYING(50)	Town or city
	last_update	Timestamp(6) without time zone	Date of last update

Links from

Name	Join
city	country.city_id = city.city_id