



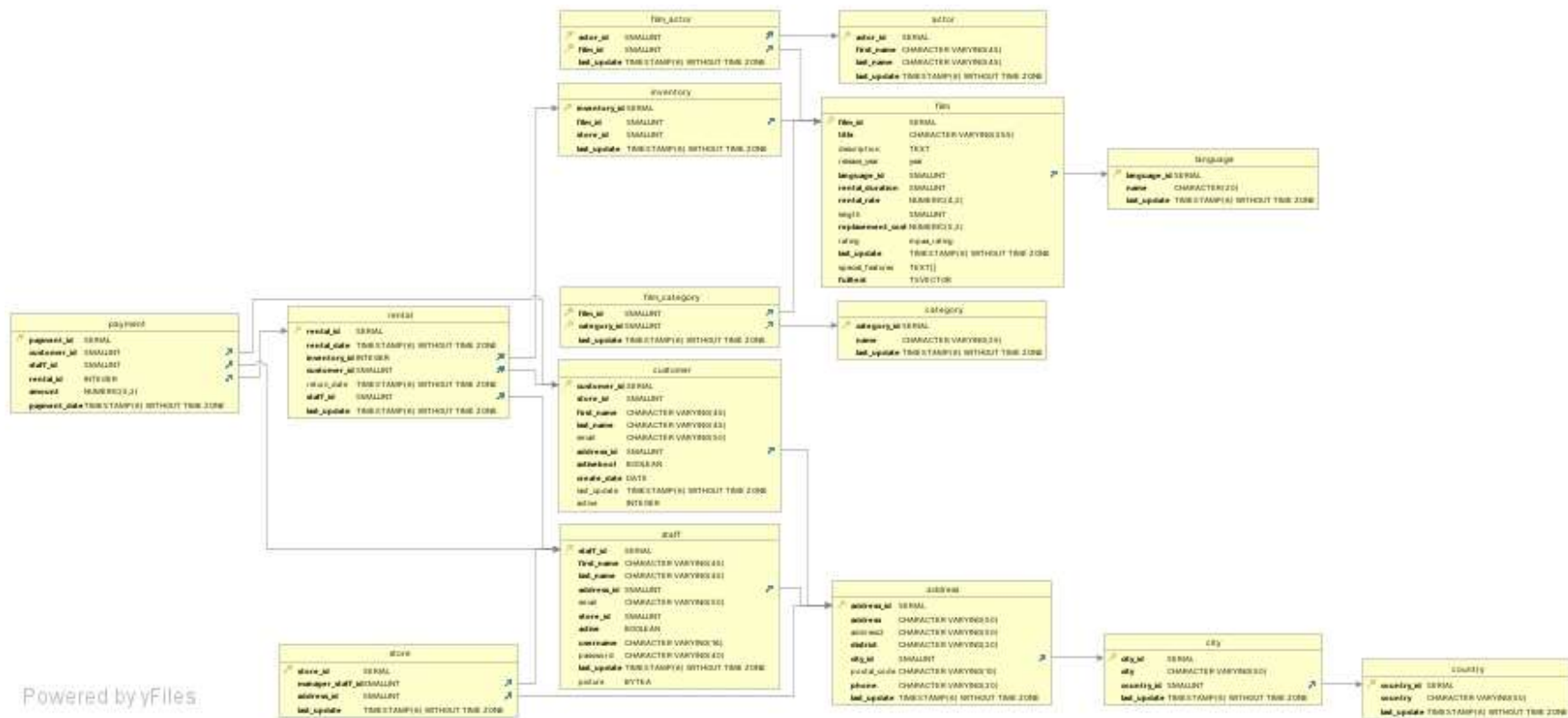
# ROCKBUSTER STEALTH LLC

Data Dictionary

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# 1. ENTITY RELATIONSHIP DIAGRAM (ERD)



## 2. FACT TABLES

### 2.1 PAYMENT

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
Primary key (PK)	payment_id	SERIAL	unique identifier of a payment		
Foreign Key (FK)	customer_id	SMALLINT	unique identifier of a customer	links to	customer
FK	staff_id	SMALLINT	unique identifier of a staff member	links to	staff
FK	rental_id	INTEGER	unique identifier of a rental	links to	rental
	amount	NUMERIC (5,2)	price of a rental		
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	date of payment		

### 2.2 RENTAL

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	rental_id	SERIAL	unique identifier for each rental	links from	payment
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	date of rental transaction		
FK	inventory_id	INTEGER	unique identifier for inventory	links to	inventory
FK	customer_id	SMALLINT	unique identifier for a customer	links to	customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Item “to be returned by” date		
FK	staff_id	SMALLINT	unique identifier for staff	links to	staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3. DIMENSION TABLES

#### 3.1 ACTOR

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	actor_id	SERIAL	unique identifier for an actor	links to	film_actor
	first_name	CHARACTER VARYING(45)	actor's first name		
	last_name	CHARACTER VARYING(45)	actor's last name		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

#### 3.2 ADDRESS

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	address_id	SERIAL	unique identifier for an address	links from	customer store staff
	address	CHARACTER VARYING(50)	address		
	address2	CHARACTER VARYING(50)	additional address details		
	district	CHARACTER VARYING(20)	name of district		
FK	city_id	SMALLINT	unique identifier of a city	links to	city
	postal_code	CHARACTER VARYING(10)	postal code details		
	phone	CHARACTER VARYING(20)	phone number		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.3 CATEGORY

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	category_id	SERIAL	unique identifier for a category	links from	film_category
	name	CHARACTER VARYING(25)	name of category		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.4 CITY

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	city_id	SERIAL	unique identifier for a city	links from	address
	city	CHARACTER VARYING(50)	name of the city		
FK	country_id	SMALLINT	unique identifier for a country	links to	country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.5 COUNTRY

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	country_id	SERIAL	unique identifier for a country	links from	city
	country	CHARACTER VARYING(50)	name of country		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.6 CUSTOMER

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	customer_id	SERIAL	unique identifier for a customer	links from	rental payment
	store_id	SMALLINT	unique identifier for the store		
	first_name	CHARACTER VARYING(45)	first name of customer		
	last_name	CHARACTER VARYING(45)	last name of customer		
	email	CHARACTER VARYING(50)	email of customer		
FK	address_id	SMALLINT	address of customer	links to	address
	activebool	BOOLEAN	active or not		
	create_date	DATE	date customer was created in the system		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		
	active	INTEGER	active or not		

### 3.7 FILM

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	film_id	SERIAL	Primary key, unique identifier for a film	links from	film_actor film_category inventory
	title	CHARACTER VARYING(255)	title of film		
	description	TEXT	description of film		
	release_year	year	year the film was released		
FK	language_id	SMALLINT	unique identifier for the language the film is in	links to	language
	rental_duration	SMALLINT	how long the film has been rented		
	rental_rate	NUMERIC(4,2)	rate of rental		
	length	SMALLINT	length of film		
	replacement_cost	NUMERIC(5,2)	cost to replace rental film		
	rating	mpaa_rating	Motion picture association film rating, or what age groups the movie is appropriate for		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		
	special_features	TEXT []	film special features		
	fulltext	TSVECTOR	text of film		



### 3.8 FILM ACTOR

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
FK	actor_id	SMALLINT	Primary key, unique identifier for an actor	links to	actor
FK	film_id	SMALLINT	unique identifier for a film	links to	film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.9 FILM CATEGORY

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
FK	film_id	SMALLINT	Primary key, unique identifier for a film	links to	film
FK	category_id	SMALLINT	unique identifier for a category	links to	category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.10 INVENTORY

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	inventory_id	SERIAL	Primary key, unique identifier for inventory	links from	rental
FK	film_id	SMALLINT	unique identifier for a film	links to	film
FK	store_id	SMALLINT	unique identifier for a store	links to	store
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.11 LANGUAGE

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	language_id	SERIAL	Primary key, unique identifier for a language	links from	film
	name	CHARACTER(20)	name of the language		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		

### 3.12 STAFF

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	staff_id	SERIAL	Primary key, unique identifier for a staff member	links from	rental payment store
	first_name	CHARACTER VARYING(45)	staff member's first name		
	last_name	CHARACTER VARYING(45)	staff member's last name		
FK	address_id	SMALLINT	staff member's address	links to	address
	email	CHARACTER VARYING(50)	staff member's email		
FK	store_id	SMALLINT	unique identifier for a store	links to	store
	active	BOOLEAN	active or not		
	username	CHARACTER VARYING(16)	staff member's username		
	password	CHARACTER VARYING(40)	staff member's password		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		
	picture	BYTEA	photo of the staff member		

### 3.13 STORE

Primary Key (PK) / Foreign Key (FK)	Column	Data Type	Description	Links To / From	Table
PK	store_id	SERIAL	Primary key, unique identifier for a store	links from	inventory staff
FK	manager_staff_id	SMALLINT	unique identifier for a staff manager		staff
FK	address_id	SMALLINT	address of the store		address
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of last update		