

# Rockbuster Stealth LLC



## Data Dictionary

Dani Oprea

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# 1. Rockbuster Stealth LLC



This is a data dictionary for Rockbuster Stealth LLC – PostgreSQL Server database.

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive. The database contains information on films, customers, payments, rentals, and more.





## 2. Entity Relationship Diagram



### 3. Fact Tables

Primary Key -   
Foreign Key – 

**Table: Payment**

	Columns	Data Type	Description
	payment_id	integer	A unique ID generated for this purchase.
	Customer_id	smallint	The ID for the customer that made this purchase.
	Staff_id	smallint	The ID of the staff member that was involved in this payment.
	Rental_id	integer	The ID of the film that was rented.
	Amount	numeric	The monetary amount of the payment.
	Payment_date	Timestamp without time zone	The date when the payment was made, does not include time zone data.





Links to

Table	Join	Description
customer	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id.
Staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id.
Rental	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id.





Links from

This table does not link from any tables.

## Unique keys

	Columns	Description
	payment_id	A unique identifier for payment.
	Customer_id	A unique identifier for customer.
	Staff_id	A unique identifier for staff.
	Rental_id	A unique identifier for rental.

**Table: Rental**

	Columns	Data Type	Description
	rental_id	integer	The ID of the film that was rented.
	Rental_date	Timestamp without time zone	The date that the film was rented.
	Inventory_id	integer	The unique ID associated with the film and it's place in the inventory.
	Customer_id	smallint	The ID for the customer that rented the movie.
	Return_date	Timestamp without time zone	The date that the movie was returned.
	Staff_id	smallint	The ID number of the staff member that rented the film out.
	last_update	Timestamp without time zone	The date when the payment was made, does not include time zone data.





#### Links to

Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id.
Customer	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id.
Staff	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id.



#### Links from

Table	Join	Description
payment	rental.rental_id = payment.rental_id	Foreign key constraint referencing payment.rental_id.


#### Unique keys

	Columns	Description
	rental_id	A unique identifier for rentals.
	Inventory_id	A unique identifier for inventory.
	Customer_id	A unique identifier for customer.
	Staff_id	A unique identifier for staff.

## 4. Dimension Tables

Primary Key -   
Foreign Key - 

**Table: Actor**

	Columns	Data Type	Description
	actor_id	integer	The unique ID for the specific actor associated with this film.
	First_name	Character varying(45)	The first name of the actor.
	Last_name	Character varying(45)	The last name of the actor.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.


Links to

This table does not link to any tables.

Links from



Table	Join	Description
film_actor	actor.actor_id = film_actor.actor_id	Foreign key constraint referencing film_actor.actor_id.

Unique keys

	Columns	Description
	actor_id	A unique identifier for actor.



## Table: Address

	Columns	Data Type	Description
	address_id	integer	The unique ID for the address of this store.
	Address	Character varying(50)	The first part of the address, the street address.
	Address2	Character varying(50)	The second part of the address, the suite number or secondary bit of address information.
	District	Character varying(50)	The state or province that this store is located in.
	city_id	smallint	The unique ID number for the city.
	Postal_code	Character varying(10)	The postal code or zip code for this address.
	Phone	Character varying(20)	The phone number associated with this address.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.



Links to

Table	Join	Description
city	address.city_id = city.city_id	Foreign key constraint referencing city.city_id.


Links from

Table	Join	Description
store	address.address_id = store.address_id	Foreign key constraint referencing store.address_id.
Staff	address.address_id = staff.address_id	Foreign key constraint referencing staff.address_id.
Customer	address.address_id = customer.address_id	Foreign key constraint referencing customer.address_id.

### Unique keys

	Columns	Description
	address_id	A unique identifier for address.
	City_id	A unique identifier for the city.

### Table: Category

	Columns	Data Type	Description
	category_id	integer	The unique ID for the category or genre of this film.
	Name	Character varying(25)	The name of the genre of the film.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.


### Links to

This table does not link to any tables.



### Links from

Table	Join	Description
film_category	category.category_id = film_category.category_id	Foreign key constraint referencing film_category.category_id.

### Unique keys

	Columns	Description
	category_id	A unique identifier for category.

## Table: City

	Columns	Data Type	Description
	city_id	smallint	The unique ID number for the city.
	City	Character varying(50)	The name of the city.
	Country_id	smallint	The unique ID number for the country the city is in.
	last_update	Timestamp without time zone	The last time this entry's information was updated in the system.



### Links to

Table	Join	Description
country	city.country_id = country.country_id	Foreign key constraint referencing country.country_id.


### Links from

Table	Join	Description
address	city.city_id = address.city_id	Foreign key constraint referencing address.city_id.

### Unique keys

	Columns	Description
	city_id	A unique identifier for the city.
	Country_id	A unique identifier for the country.

## Table: Country

	Columns	Data Type	Description
	country_id	smallint	The unique ID number for the country the city is in.
	country	Character varying(50)	The name of the country.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.


Links to

This table does not link to any tables.



Links from

Table	Join	Description
city	country.country_id = city.country_id	Foreign key constraint referencing city.country_id.

Unique keys

	Columns	Description
	country_id	A unique identifier for the country.

## Table: Customer

	Columns	Data Type	Description
	customer_id	smallint	The ID associated with this particular customer.
	Store_id	smallint	The unique ID number for the store the customer shopped at.
	First_name	Character varying(45)	The customer's first name.
	last_name	Character varying(45)	The customer's last name.
	email	Character varying(50)	The customer's email address.
	Address_id	smallint	The unique ID for the address of this store.
	Activebool	boolean	A true or false value for if the customer is active or in this case, has been a customer with Rockbuster.
	Create_date	date	The date the customer's account was created.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.
	Active	integer	The same active status but displayed as an integer.



Links to

Table	Join	Description
address	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id.



Links from

Table	Join	Description
payment	customer.customer_id = payment.customer_id	Foreign key constraint referencing payment.customer_id.
Rental	customer.customer_id = rental.customer_id	Foreign key constraint referencing rental.customer_id.

## Unique keys

	Columns	Description
	customer_id	A unique identifier for customer.
	Address_id	A unique identifier for the address.

**Table: Film**

	Columns	Data Type	Description
	film_id	integer	The unique ID for this specific film.
	Title	Character varying(255)	The title of the film.
	Description	text	A description of the film.
	Release_year	integer	The year in which the movie was released.
	Language_id	smallint	The ID for what language the movie is in.
	rental_duration	smallint	How long the film was rented for.
	Rental_rate	numeric	How often the movie is rented on a scale of 0 to 5.
	Length	smallint	The length of the film in minutes.
	Replacement_cost	numeric	How much it would cost to replace this film if it is lost or broken.
	Rating	USER-DEFINED	The movie rating in terms of what audience is acceptable to watch it.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.
	Special_features	ARRAY	A denotation if the rental comes with any special features like behind-the-scenes clips or more.
	Fulltext	tsvector	The location in the text of the words in the title and description.



#### Links to

Table	Join	Description
language	film.film_id = language.film_id	Foreign key constraint referencing language.film_id.



#### Links from

Table	Join	Description
film_actor	film.film_id = film_actor.film_id	Foreign key constraint referencing film_actor.film_id.
Inventory	film.film_id = inventory.film_id	Foreign key constraint referencing inventory.film_id.
Film_category	film.film_id = film_category.film_id	Foreign key constraint referencing film_category.film_id.

#### Unique keys

	Columns	Description
	film_id	A unique identifier for film.
	Language_id	A unique identifier for the language.

**Table: film\_actor**

	Columns	Data Type	Description
	actor_id	smallint	The unique ID for the specific actor associated with this film.
	Film_id	smallint	The unique ID for this specific film.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.



Links to

Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id.
Film	Film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id.

Links from



This table does not link from any tables.

Unique keys

	Columns	Description
	actor_id	A unique identifier for actor.
	Film_id	A unique identifier for the film.



**Table: film\_category**

	Columns	Data Type	Description
	film_id	smallint	The unique ID for this specific film.
	Category_id	smallint	The unique ID for the category or genre of this film.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.



Links to

Table	Join	Description
category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id.
Film	Film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id.



Links from

This table does not link from any tables.

Unique keys

	Columns	Description
	category_id	A unique identifier for category.
	Film_id	A unique identifier for the film.

## Table: Inventory

	Columns	Data Type	Description
	inventory_id	integer	The unique ID associated with the film and it's place in the inventory.
	Film_id	smallint	The unique ID for this specific film.
	Store_id	smallint	The unique ID number for the store that this inventory is in.
	last_update	Timestamp without time zone	The last time this entry's information was updated in the system.



Links to

Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id.


Links from

Table	Join	Description
rental	inventory.inventory_id = rental.inventory_id	Foreign key constraint referencing rental.inventory_id.

Unique keys

	Columns	Description
	inventory_id	A unique identifier for the inventory.
	Film_id	A unique identifier for the film.

## Table: Language

	Columns	Data Type	Description
	language_id	integer	The ID for what language the movie is in.
	name	Character varying(20)	The name of the language.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.


Links to

This table does not link to any tables.



Links from

Table	Join	Description
film	language.language_id = film.language_id	Foreign key constraint referencing film.language_id.

Unique keys

	Columns	Description
	language_id	A unique identifier for language.

## Table: Staff

	Columns	Data Type	Description
	staff_id	integer	The staff members unique employee ID.
	First_name	Character varying(45)	The staff member's first name.
	last_name	Character varying(45)	The staff member's last name.
	address_id	smallint	The unique ID for the address.
	Email	Character varying(50)	The employee's email address.
	Store_id	smallint	The unique ID number for the store.
	Active	boolean	Whether the employee is still employed or not at the store.
	Username	Character varying(16)	The employee's username for the company account.
	Password	Character varying(40)	The employee's password for the company account.
	Last_update	Timestamp without time zone	The last time this entry's information was updated in the system.
	Picture	bytea	The employee's picture.



Links to

Table	Join	Description
address	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id.




Links from

Table	Join	Description
payment	staff.staff_id = payment.staff_id	Foreign key constraint referencing payment.staff_id.
Rental	staff.staff_id = rental.staff_id	Foreign key constraint referencing rental.staff_id.
Store	staff.store_id = store.store_id	Foreign key constraint referencing store.store_id.

### Unique keys

	Columns	Description
	staff_id	A unique identifier for staff.
	Address_id	A unique identifier for the address.

### Table: Store

	Columns	Data Type	Description
	store_id	smallint	The unique ID number for the store.
	manager_staff_id	smallint	The ID number of the manager that works at this store.
	address_id	smallint	The unique ID for the address.
	last_update	Timestamp without time zone	The last time this entry's information was updated in the system.




### Links to

Table	Join	Description
staff	store.store_id = staff.store_id	Foreign key constraint referencing staff.store_id.
address	store.address_id = address.address_id	Foreign key constraint referencing address.address_id.

### Links from

This table does not link from any tables.

## Unique keys

	Columns	Description
	store_id	A unique identifier for the store.
	address_id	A unique identifier for the address.
	manager_staff_id	A unique identifier for the manager.