

# ROCKBUSTER STEALTH LLC



## DATA DICTIONARY

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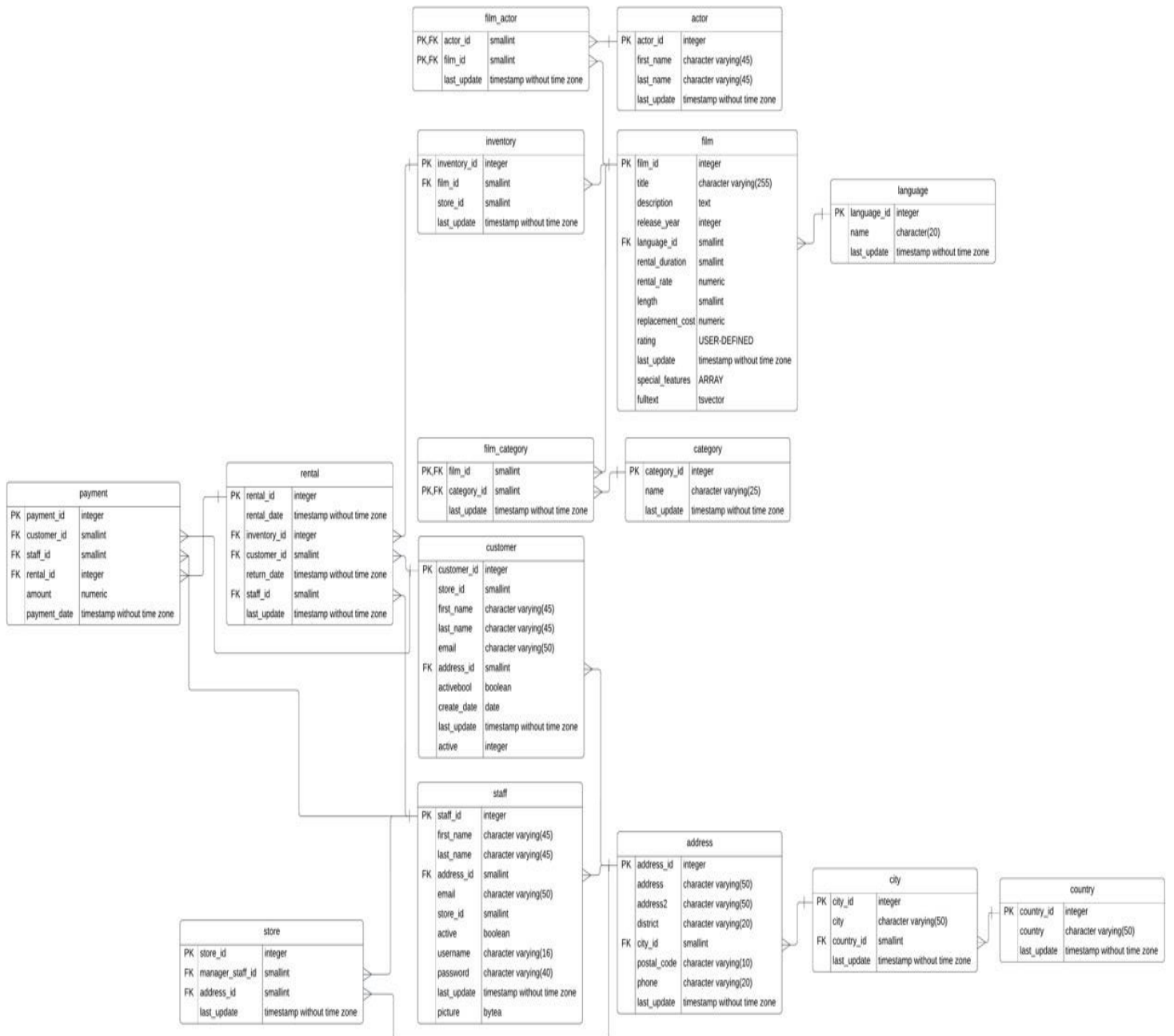
# 1. Rockbuster Stealth LLC

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 to stay competitive.

You can download dataset here:

- [Rockbuster Stealth LLC\\_DVD\\_Rental](#)

## 2. Entity Relationship Diagram



\*PK = Primary Key

FK = Foreign Key

### 3. Fact Table

**Table: Rental**

	Columns	Data Type	Description
PK	rental_id	integer	ID of rental transaction
	rental_date	timestamp without time zone	Date of rental
FK	inventory_id	integer	ID for rented item
FK	customer_id	smallint	ID for customer
	return_date	timestamp without time zone	Date of item return
FK	staff_id	smallint	ID for staff performing transaction
	last_update	timestamp without time zone	When table was updated

**Links to**

Table	Join
Inventory	rental.inventory_id = inventory.inventory_id
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id

**Linked from**

Table	Join
Payment	payment.rental_id = rental.rental_id

**Table: Payment**

	Columns	Data Type	Description
PK	payment_id	integer	Unique ID of payment for rental
FK	customer_id	smallint	ID for customer
FK	staff_id	smallint	ID for staff performing transaction
FK	rental_id	integer	ID of rental transaction
	amount	numeric	Amount paid for rental
	payment_date	timestamp without time zone	Date of payment

**Links to:**

Table	Join
Customer	payment.customer_id = customer.customer_id
Staff	payment.staff_id = staff.staff_id
Rental	payment.rental_id = rental.rental_id

**Linked from: N/A**

## 4. Dimensions Table

**Table: Store**

	Columns	Data Type	Description
PK	store_id	integer	Unique ID for store
FK	manager_staff_id	smallint	ID for manager of store
FK	address_id	smallint	Address ID for the store
	last_update	Timestamp without time zone	Last update of table

**Links to:**

Table	Join
Staff	store.manager_staff_id = staff.staff_id
Address	store.address_id = address.address_id

**Linked from: N/A**

**Table: Staff**

	Columns	Data Type	Description
PK	staff_id	integer	Unique ID for staff member
	first_name	character varying(45)	First name of staff number
	last_name	character varying(45)	Last name of staff member
FK	address_id	smallint	Address ID for the store
	email	character carrying(50)	Email of staff member
FK	store_id	smallint	Unique ID for store
	active	boolean	Active employee yes or no
	username	character varying(16)	Username of staff member
	password	character varying(40)	Password of staff member
	last_update	timestamp without time zone	Last update of table
	picture	bytea	Picture of staff member

**Links to:**

Table	Join
Address	staff.address_id = address.address_id

**Linked from:**

Table	Join
Payment	payment.staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Store	store.manager_staff_id = staff.staff_id

**Table: Customer**

	Columns	Data Type	Description
PK	customer_id	integer	ID for customer
FK	store_id	smallint	Unique ID for 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 ID for the store
	activebool	boolean	Customer active yes or no
	create_date	date	Date when customer first entered
	last_update	timestamp without time zone	Last update of table
	active	integer	Active integer

**Links to:**

Table	Join
Address	customer.address_id = address.address_id

**Linked from:**

Table	Join
Rental	rental.customer_id = customer.customer_id
Payment	payment.customer_id = customer.customer_id

**Table: Address**

	Columns	Data Type	Description
PK	address_id	integer	Unique ID for address
	address	character varying(50)	Address
	address2	character varying(50)	Address line 2
	district	character varying(20)	District
FK	city_id	smallint	ID of city
	postal_code	character varying(10)	Postal code
	phone	character varying(20)	Phone number

	last_update	timestamp without time zone	Last update of table
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**Links to:**

Table	Join
City	address.city_id = city.city_id

**Linked from:**

Table	Join
Customer	customer.address_id = address.address_id
Staff	staff.address_id = address.address_id
Store	store.address_id = address.address_id

**Table: City**

	Columns	Data Type	Description
PK	city_id	integer	Unique city ID
	city	character varying(50)	City name
FK	country_id	smallint	Unique ID of country
	last_update	timestamp without time zone	Last update of table

**Links to:**

Table	Join
Country	city.country_id = ountry.country_id

**Linked from:**

Table	Join
Address	address.city_id = city.city_id

**Table: Country**

	Columns	Data Type	Description
PK	country_id	integer	Unique ID for country
	country	character varying(50)	Country name
	last_update	timestamp without time zone	Last update of table

**Links to:**

N/A



**Linked from:**

Table	Join
City	city.country_id = country.country_id

**Table: Film Category**

	Columns	Data Type	Description
PK	film_id	smallint	Unique ID for film
PK	category_id	smallint	Unique ID for category
	last_update	timestamp without time zone	Last update of table

**Links to:**

Table	Join
Film	film_category.film_id = film.film_id
Category	film_category.category_id = category.category_id

**Linked from: N/A**

**Table: Category**

	Columns	Data Type	Description
PK	category_id	integer	Unique ID for category
	name	character varying(25)	Name of category
	last_update	timestamp without time zone	Last update of table

**Links to:**

**N/A**

**Linked from:**

Table	Join
Film Category	film_category.category_id = category.category_id

**Table: Inventory**

	Columns	Data Type	Description
PK	inventory_id	integer	Unique ID for inventory item
FK	film_id	smallint	Unique ID for film
	store_id	smallint	Unique ID for store
	last_update	timestamp without time zone	Last update of table

**Links to:**

Table	Join
Film	inventory.film_id = film.film_id

**Linked from:**

Table	Join
Rental	rental.inventory_id = inventory.inventory_id

**Table: Film**

	Columns	Data Type	Description
PK	film_id	integer	Unique ID for film
	title	character varying(255)	Title of film
	description	text	Description of film
	release_year	integer	Year film released
FK	language_id	smallint	Unique ID for language of the film
	rental_duration	smallint	Duration of rental (days)
	rental_rate	numeric	Cost of rental
	length	smallint	Length of film
	replacement_cost	numeric	Cost of replacing if rental not returned
	rating	USER-DEFINED	Rating of movie
	last_update	timestamp without time zone	Last update of table
	special_features	ARRAY	Features of the film
	fulltext	tsvector	Index for film

**Links to:**

Table	Join
Language	film.language_id = language.language_id

**Linked from:**

Table	Join
Film Actor	film_actor.film_id = film.film_id
Inventory	inventory.film_id = film.film_id
Film Category	film_category.film_id = film.film_id

**Table: Film Actor**

	Columns	Data Type	Description
PK	actor_id	smallint	Unique ID for actor
PK	film_id	smallint	Unique ID for film
	last_update	timestamp without time zone	Last update of table

**Links to:**

Table	Join
Actor	film_actor.actor_id = actor.actor_id
Film	film_actor.film_id = film.film_id

**Linked from: N/A**

**Table: Actor**

	Columns	Data Type	Description
PK	actor_id	integer	Unique ID for actor
	first_name	character varying(45)	First name of actor
	last_name	character varying(45)	Last name of actor
	last_update	timestamp without time zone	Last update of table

**Links to:**

**N/A**

**Linked from:**

Table	Join
Film Actor	film_actor.actor_id = actor.actor_id

**Table: Language**

	Columns	Data Type	Description
PK	language_id	integer	Unique ID for language
	name	character(20)	Name of category
	last_update	timestamp without time zone	Last update of table

**Links to:**

**N/A**

**Linked from:**

Table	Join
Film	film.language_id = language.language_id