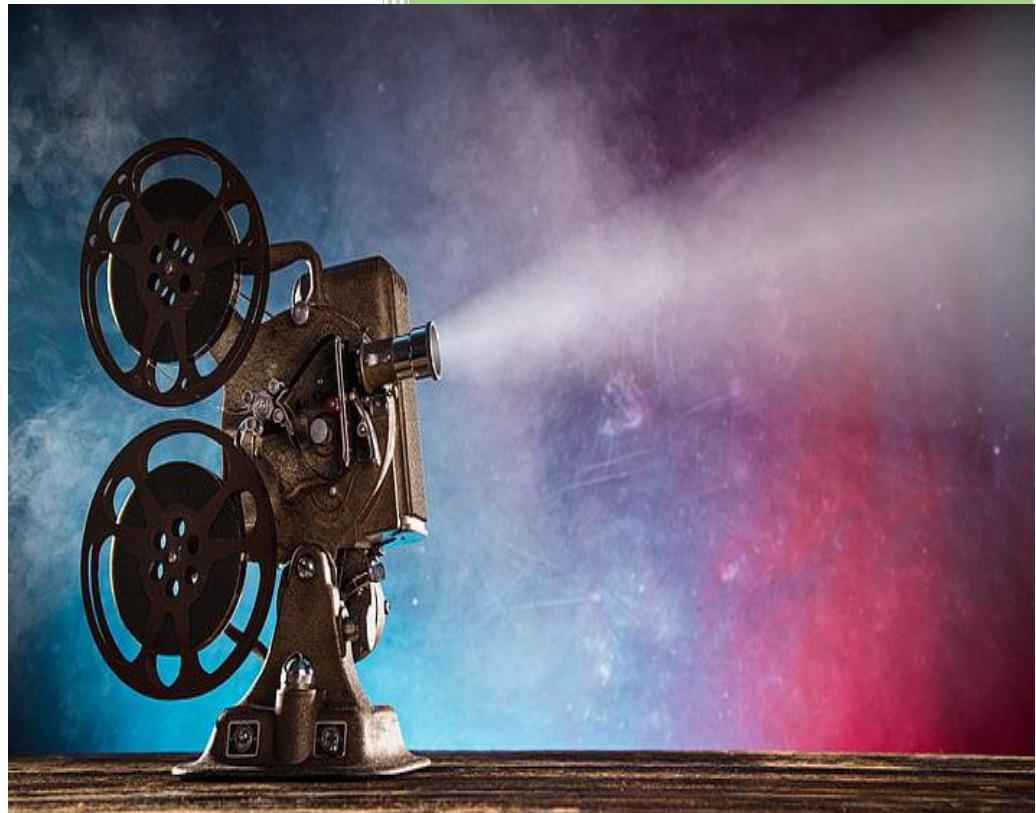
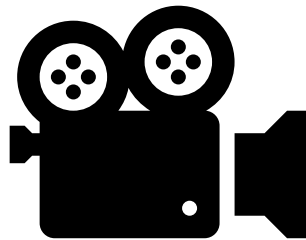


# Rockbuster Stealth LLC Data Dictionary



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## 1. **Rockbuster Stealth LLC**

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Rockbuster is planning to use its existing movie licenses to launch an online video rental service. Utilizing a relational database management system, this data dictionary defines the entity relationship diagram (ERD) for Rockbuster.

Rockbuster Stealth LLC – PostgreSQL 15 Rockbuster database.

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## 2. Entity Relationship Diagram (ERD) of Rockbuster Stealth LLC







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### 3. Fact Tables

-  Primary Key
-  Foreign Key

#### 3.1 Payment Table





	Columns	Data Type	Title/Name/Description
	payment_id	Serial	An auto increment number to identify each payment; a primary key of the payment table.
	Customer_id	Smallint	A number used to identify each unique customer; a foreign key that joins to other table(s).
	Staff_id	Smallint	ID number of staff person; a foreign key that joins to other table(s).
	Rental_id	Integer	ID number assigned to the movie rental; a foreign key that joins to other table(s).
	Amount	Numeric (5,2)	Dollar amount of the rental
	Payment_date	Timestamp(s) without time zone	Date that payment is received from customer

##### Links To:

	Table	Join	Title/Name/Description
	customer	customer_id	Payment.customer_id is a foreign key that references to the primary key in the customer table customer.customer_id
	staff	staff_id	Payment.staff_id is a foreign key that references to the primary key in the staff table staff.staff_id
	Rental	rental_id	Payment.rental_id is a foreign key that references to the primary key in the rental table rental.rental_id





Links From: *None Observed*

##### Unique Keys:

	Column	Description
	Payment_id	Unique id assigned to each payment; this is the primary key for the payment table
	Customer_id	Unique id assigned to each customer; this is a foreign key that joins to other table(s)
	Staff_id	Unique id assigned to each staff person; this is a foreign key that joins to other table(s)
	Rental_id	Unique id assigned to each rental; this is a foreign key that joins to other table(s)

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### 3.2 Rental Table

	Columns	Data Type	Description
	Rental_id	Serial	An auto increment number assigned to each rental; this is the primary key for the rental table.
	Rental_date	Timestamp(s) without time zone	Date the rental was ordered
	Inventory_id	Integer	Number assigned to the inventory; this is a foreign key that joins to other table(s)
	Customer_id	Smallint	A number used to identify each unique customer; a foreign key that joins to other table(s)
	Return_date	Timestamp(s) without time zone	Date when rental is returned
	Staff_id	Smallint	Unique ID number of staff person; a foreign key that joins to other table(s)
	Last_update	Timestamp(s) without time zone	Date the record was last updated





#### Links To:

	Table	Join	Title/Name/Description
	inventory	Inventory_id	rental.inventory_id is a foreign key that links to the primary key in the inventory table inventory.inventory_id
	customer	customer_id	rental.customer_id is a foreign key that links to the primary key in the customer table customer.customer_id
	Staff	Staff_id	rental.staff_id is a foreign key that links to the primary key in the staff table staff.staff_id

#### Links From:

	Table	Join	Title/Name/Description
	payment	rental_id	Payment.rental_id is a foreign key that links to the primary key in the rental table rental.rental_id




#### Unique Keys:

	Column	Description
	Rental_id	Unique id assigned to each rental; primary key in the rental table
	Inventory_id	Unique id assigned to each inventory; foreign key that joins to other table(s)
	Customer_id	Unique id assigned to each customer; foreign key that joins to other table(s)
	Staff_id	Unique id assigned to each staff; foreign key that joins to other table(s)

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## 4. Dimension Tables

### 4.1 Store Table




	Columns	Data Type	Description
	Store_id	Serial	An auto increment number assigned to each store; this is the primary key for the store table
	Manager_staff_id	Small integer	Unique ID number of store manager; this is the foreign key that joins to other table(s)
	Address_id	Small integer	Address of storefront; this is the foreign key that joins to other table(s)
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

#### Links To:

	Table	Join	Title/Name/Description
	Staff	Manager_staff_id	store.manager_staff_id is a foreign key that references to the primary key in the staff table staff.staff_id
	Address	Address_id	Store.address_id is a foreign key that references to the primary key in the address table address.address_id





Links From: *None Observed*

#### Unique Keys:

	Column	Description
	Store_id	Unique id assigned to each store; this is a primary key for the store table
	Manager_staff_id	Unique id assigned to each staff (manager staff); this is a foreign key that joins to other table(s)
	Address_id	Unique id assigned to each store address; this is a foreign key that joins to other table(s)

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### Film Actor Table

	Columns	Data Type	Description
 	Actor_id	Small integer	Unique id assigned to each actor; this is a primary key for the film actor table as well as a foreign key that links to other table(s)
 	Film_id	Small integer	Unique id assigned to each film; this is both a primary key for the film actor table as well as a foreign key that links to other table(s)
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated


**Links To:**

	Table	Join	Title/Name/Description
	Actor	Actor_id	Film_actor.actor_id is a primary key and foreign key that links to actor table at actor.actor_id
	Film	Film_id	Film_actor.film_id is a primary key and a foreign key that links to film table at film.film_id

**Links From:** *None Observed***Unique Keys:**

	Column	Description
	Actor_id	Unique id assigned to the actor; this is both a primary key for the film actor table as well as a foreign key that joins to other table(s)
	Film_id	Unique id assigned to the film; this is both a primary key for the film actor table as well as a foreign key that joins to other table(s)


**4.3 Actor Table**

	Columns	Data Type	Description
	Actor_id	Small integer	Unique id assigned to each actor; this is the primary key for the actor table
	First_name	Character Varying (45)	First name of character played by the actor id
	Last_name	Character Varying (45)	Last name of character played by the actor id
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated



**Links To:** *None Observed***Links From:**

	Table	Join	Title/Name/Description
	Film_actor	Actor_id	Film_actor.actor_id is a foreign key that links to the primary key actor.actor_id

**Unique Keys:**


	Column	Description
	Actor_id	Unique id assigned to the actor; this is the primary key for the actor table

[\[Back to Table of Contents\]](#)**4.4 Inventory Table**

	Columns	Data Type	Description
	Inventory_id	Serial	Number assigned to the inventory; this is the primary key for the inventory table
	Film_id	Small integer	Unique id assigned to each film; this is a foreign key that links to other table(s)



*(continued from Inventory table)*

	Store_id	Small integer	An auto increment number assigned to each store; this is a foreign key that links to other table(s)
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated




**Links To:**

	Table	Join	Title/Name/Description
	Film	Film_id	inventory.film_id is a foreign key that links to film table at film.film_id



**Links From:**

	Table	Join	Title/Name/Description
	Rental	Inventory_id	Rental.inventory_id is a foreign key that links to primary key inventory.inventory_id

**Unique Keys:**

	Column	Description
	Inventory_id	Unique id assigned to inventory line; this is a primary
	Film_id	Unique id assigned to each film
	Store_id	Unique id assigned to each store

[\[Back to Table of Contents\]](#)**4.5 Film Table**

	Columns	Data Type	Description
	Film_id	Small integer	Unique id assigned to each film; this is the primary key for the film table
	Title	Character varying (255)	Title of the film
	Description	Text	Description of the film
	Release_year	year	Year the film was released
	Language_id	Small integer	Unique id of the language the movie is spoken in; this is a foreign key that joins to other table(s)
	Rental_duration	Small integer	Number of days the movie was rented for
	Rental_rate	Numeric (4,2)	Rate the movie was rented for
	Length	Small integer	Length of the movie
	Replacement cost	Numeric (5,2)	Cost to the customer if the movie is not returned
	Rating	Mpaa_rating	Movie rating
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated
	Special features	Text	Special features that come with the film rental
	Full_text	Tsvector	



*(continued from film table)***Links To:**

	Table	Join	Title/Name/Description
	Language	Language_id	film.language_id is a foreign key that links to language table at language.language_id


**Links From:**

	Table	Join	Title/Name/Description
	Film_actor	Film_id	Film_actor.film_id is a foreign key that links to primary key film.film_id
	Inventory	Film_id	Inventory.film_id is a foreign key that links to primary key film.film_id
	Film_category	Film_id	Film_category.film_id is a foreign key that links to primary key film.film_id

**Unique Keys:**

	Column	Description
	Film_id	Unique id assigned to each film; this is the primary key for the film table
	Language_id	Unique id assigned to the language of each film; this is a foreign key that joins to other table(s)


[\[Back to Table of Contents\]](#)**4.6 Language Table**

	Columns	Data Type	Description
	language_id	Serial	Unique number assigned to the language; this is the primary key for the language table
	Name	Character(20)	Name of language
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

**Links To:** *None Observed***Links From:**



	Table	Join	Title/Name/Description
	Film	Language_id	Film.language_id is a foreign key that links to primary key language.language_id

**Unique Keys:**

	Column	Description
	Language_id	Unique id assigned to language of the film; this is the primary key for the language table

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### 4.7 Film Category Table



	Columns	Data Type	Description
	film_id	Small integer	Unique number assigned to the film; this is both a primary key for the film category table as well as a foreign key that links to other table(s).
	Category_id	Small integer	Unique id assigned to the film category; this is both a primary key for the film category table as well as a foreign key that links to other table(s).
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

#### Links To:


	Table	Join	Title/Name/Description
	Category	Category_id	Film_category.category_id is a foreign key that links to primary key category.category_id
	Film	Film_id	Film_category.film_id is a foreign key that links to primary key film.film_id

Links From: *None Observed*

#### Unique Keys:

	Column	Description
	Film_id	Unique id assigned to each film; this is both a primary key for the film category table as well as a foreign key that joins to other table(s)
	Category_id	Unique id assigned to each film category; this is both a primary key for the film category table as well as a foreign key that joins to other table(s)

### 4.8 Category Table


	Columns	Data Type	Description
	Category_id	Serial	Unique id assigned to the category type of the film; this is the primary key for the category table
	Name	Character Varying (25)	Type of film category
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

Links To: *None Observed*

#### Links From:



	Table	Join	Title/Name/Description
	Film_category	Category_id	Film_category.category_id is a primary key and foreign

#### Unique Keys:

	Column	Description
	Category_id	Unique id assigned to each film category

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## 4.9 Customer Table

	Columns	Data Type	Description
	customer_id	Serial	Unique id assigned to each customer
	Store_id	Small integer	Unique id number of the store where the film was rented
	First_name	Character varying (45)	First name of the customer
	Last_name	Character varying (45)	Last name of the customer
	Email	Character varying (50)	Email address of the customer
	Address_id	Small integer	Unique id number of the customer's address; foreign key that joins table to other table(s)
	Activebool	Boolean	Indicates whether or not the customer is active or not with a true/false response
	Create_date	Date	Date that the customer account was activated/created
	Last_update	Timestamp without time zone	Automatic timestamp indicating update
	Active	Integer	Activity status of the customer



### Links To:

	Table	Join	Title/Name/Description
	Address	Address_id	Customer.address_id is a foreign key that links to primary key address.address_id

### Links From:


	Table	Join	Title/Name/Description
	Payment	Customer_id	Payment.customer_id is a foreign key that links to primary key customer.customer_id
	Rental	Customer_id	rental.customer_id is a foreign key that links to primary key customer.customer_id

### Unique Keys:


	Column	Description
	Customer_id	Unique id assigned to each customer; this is the primary key of the customer table
	Store_id	Unique id assigned to each store
	Address_id	Unique id assigned to each address; this is a foreign key that joins this table to other table(s)

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## 4.10 Staff Table

	Columns	Data Type	Description
	staff_id	Serial	Unique id assigned to each staff member; this is the primary key for the staff table

*(continued from Staff Table)*

	First_name	Character varying (45)	First name of the staff member
	Last_name	Character varying (45)	Last name of the member
	Address_id	Small integer	Staff members address; this is a foreign key that joins this table to other table(s)
	Email	Character varying (50)	Staff member email address
	Store_id	Small integer	Unique id number of the store where the film was rented
	Active	Boolean	True/False statement of staff member status
	Username	Character varying (16)	User name into work-related software
	Password	Character varying (40)	Password into work-related software
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated
	Picture	Bytea	Photo of staff member



**Links To:**

	Table	Join	Title/Name/Description
	Address	Address_id	Staff.address_id is a foreign key that links to address.address_id


**Links From:**

	Table	Join	Title/Name/Description
	Store	Staff_id	Store.manager_staff_id is a foreign key that links to primary key staff.staff_id
	Rental	Staff_id	rental.staff_id is a foreign key that links to primary key staff.staff_id
	Payment	Staff_id	Payment.staff_id is a foreign key that links to primary key staff.staff_id


**Unique Keys:**

	Column	Description
	Staff_id	Unique id assigned to each staff; this is the primary key for the staff table
	Address_id	Unique id assigned to each address; this is a foreign key that joins this table to other table(s)
	Store_id	Unique id assigned to each store

[\[Back to Table of Contents\]](#)**4.11 Address Table**

	Columns	Data Type	Description
	address_id	Serial	An auto increment number assigned to each store's address; this is the primary key for the address table
	Address	Character varying (50)	Address of the store
	Address2	Character varying (50)	Second line of store address if any
	District	Character varying (20)	Store district

*(continued from address table)*

	City_id	Small integer	Uniques id assigned to each city name
	Postal_code	Character varying (10)	Code assigned to each city/state by the postal service
	Phone	Character varying (20)	Phone number of store
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated



**Links To:**

	Table	Join	Title/Name/Description
	City	City_id	Address.city_id is a foreign key that links to primary key city.city_id



**Links From:**

	Table	Join	Title/Name/Description
	Customer	Address_id	Customer.address_id is a foreign key that links to primary key address.address_id
	Staff	Address_id	Staff.address_id is a foreign key that links to primary key address.address_id
	Store	Address_id	Store.address_id is a foreign key that links to primary key address.address_id

**Unique Keys:**

	Column	Description
	Address_id	Unique id given to address; this is the primary key for the address table
	City_id	Unique id give to each city; this is a foreign key that joins to other table(s)

**4.12 City Table**

	Columns	Data Type	Description
	city_id	Serial	Unique id assigned to each city; this is the primary key for the city table
	City	Character varying (45)	Name of city where film is rented
	Country_id	Small integer	Unique id assigned to each country; this is a foreign key that joins the city table to other table(s)
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

**Links To:**



	Table	Join	Title/Name/Description
	Country	Country_id	City.country_id is a foreign key that links to primary key country.country_id

**Links From:**


	Table	Join	Title/Name/Description
	Address	City_id	Address.city_id is a foreign key that links to primary key city.city_id

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*(continued from city table)***Unique Keys:**

	Column	Description
	City_id	Unique id given to each city; this is the primary key for the city table
	Country_id	Unique id given to each country; this is a foreign key that joins the city table to other table(s)


**4.13 Country Table**

	Columns	Data Type	Description
	country_id	Serial	Unique id assigned to each country; this is the primary key for the country table
	Country	Character varying (50)	Name of country where film is rented
	Last_update	Timestamp(s) without time zone	Date and time stamp information last updated

**Links To:** *None Observed***Links From:**

	Table	Join	Title/Name/Description
	City	Country_id	City.country_id is a foreign key that links to primary key country.country_id

**Unique Keys:**

	Country_id	Unique id assigned to each country; this is the primary key for the country table
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