

Rockbuster Stealth

Data Dictionary



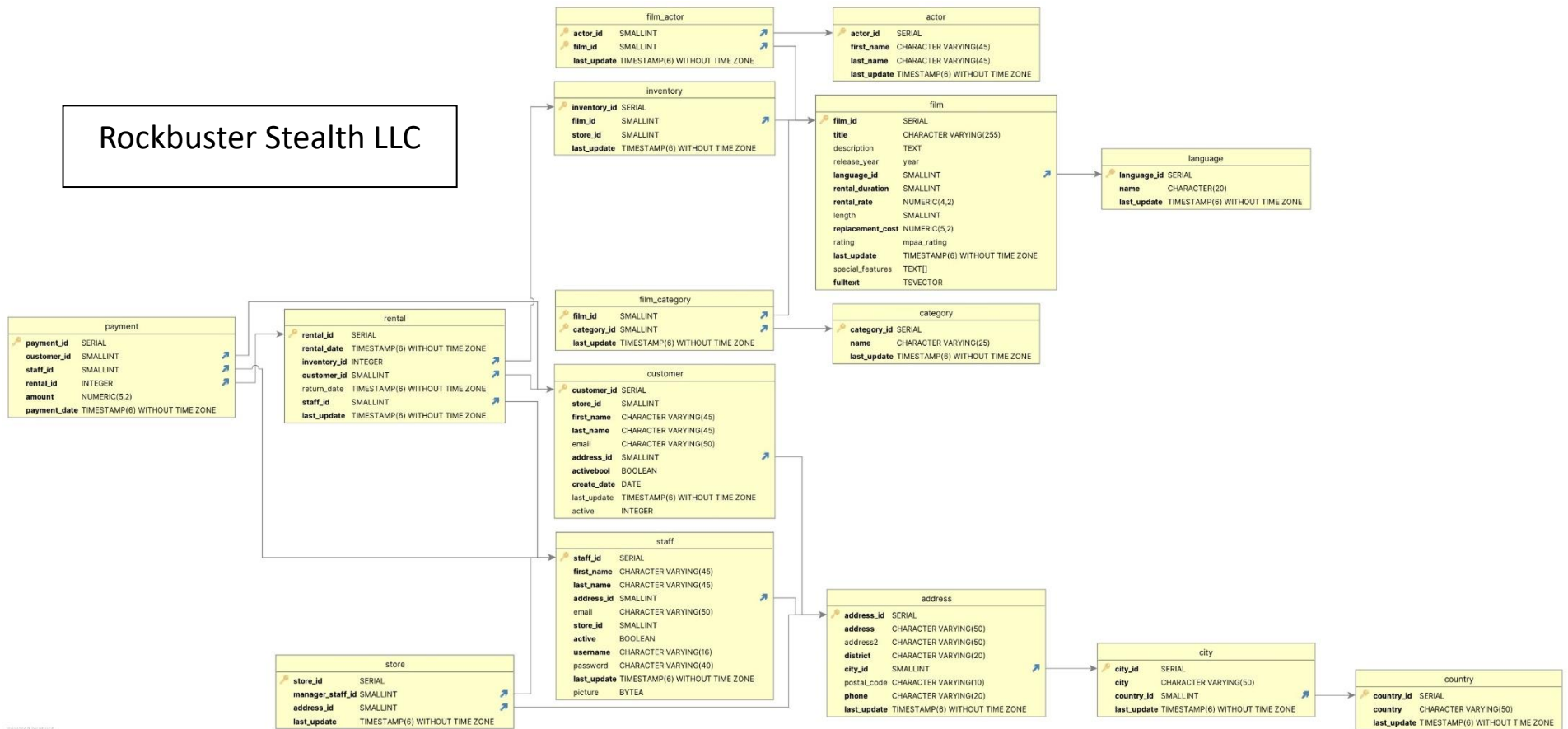
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Rockbuster Stealth LLC



Rockbuster Stealth LLC is a movie rental company with stores worldwide. The Rockbuster database has information on current film rentals. It can be used to help develop a launch strategy for the new online video service.





Entity Relationship Diagram



Fact Tables

Table: Payment

Columns  Primary key  Foreign Key

Columns	Data Type	Description
payment_id 	SERIAL	Unique identifier for payment
customer_id 	SMALLINT	Unique identifier for customer
staff_id 	SMALLINT	Unique identifier for staff
rental_id 	INTEGER	Unique identifier for rental
amount	NUMERIC(5,2)	Cost of rental
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of payment

Links to

Table	Join	Description
Customer	Payment.customer_id = Customer.customer_id	Foreign Key reference to customer table
Staff	Payment.staff_id = staff.staff_id	Foreign Key reference to staff table
rental	Payment.rental_id = rental.rental_id	Foreign Key reference to rental table



Linked from





The payment table does not link from any other tables.

Unique Keys:

Column	Key Type	Description
Payment_id	Primary	Unique identifier for payment
Customer_id	Foreign	Unique identifier for customer
Staff_id	Foreign	Unique identifier for staff
Rental_id	Foreign	Unique identifier for rental

Table: Rental

Columns  Primary key  Foreign Key

Columns	Data Type	Description
rental_id 	SERIAL	Unique identifier for rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of rental
inventory_id 	INTEGER	Unique identifier for inventory
customer_id 	SMALLINT	Unique identifier for customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of return
staff_id 	SMALLINT	Unique identifier for staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
Inventory	Rental.inventory_id = Inventory.inventory_id	Foreign Key reference to inventory table
Customer	Rental.customer_id = customer.customer_id	Foreign Key reference to customer table
Staff	Rental.staff_id = staff.staff_id	Foreign Key reference to staff table

Linked from



Table	Join	Description
Payment	Rental.rental_id = Payment.rental_id	Foreign Key reference to payment table


Unique Keys:

Column	Key Type	Description
Rental_id	Primary	Unique identifier for rental
Inventory_id	Foreign	Unique identifier for inventory
Customer_id	Foreign	Unique identifier for customer
Staff_id	Foreign	Unique identifier for staff

Dimension Tables

Table: Actor

Columns  Primary key  Foreign Key

Columns	Data Type	Description
actor_id 	SERIAL	Unique identifier for actor
first_name	CHARACTER VARYING(45)	First name of actor
last_name	CHARACTER VARYING(45)	Last name of actor
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

The actor table does not link to any other tables.



Linked from



Table	Join	Description
Film_actor	Actor.actor_id = Film_actor.actor_id	Foreign key reference to film_actor table

Unique Keys

Table	Join	Description
Actor_id	Primary	Unique identifier for actor

Table: Address

Columns  Primary key  Foreign Key

Columns	Data Type	Description
address_id 	SERIAL	Unique identifier for address
Address	CHARACTER VARYING(50)	First line of address
Address2	CHARACTER VARYING(50)	Second line of address
District	CHARACTER VARYING(20)	District of address
City_id 	SMALLINT	Unique identifier for city
Postal_code	CHARACTER VARYING(10)	Postal code of address
Phone	CHARACTER VARYING(20)	Phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
City	Address.city_id = city.city_id	Foreign key reference to city table



Linked from


Table	Join	Description
Customer	Address.address.id = customer.address.id	Foreign key reference to customer table
Staff	Address.address_id = staff.address_id	Foreign key reference to staff table
Store	Address.address_id = store.address_id	Foreign key reference to store table

Unique Keys

Table	Join	Description
Address_id	Primary	Unique identifier for address
City_id	Foreign	Unique identifier for city

Table: Category

Columns  Primary key  Foreign Key

Columns	Data Type	Description
category_id 	SERIAL	Unique identifier for category
Name	CHARACTER VARYING(25)	Name of category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

The category table does not link to any other tables.



Linked from



Table	Join	Description
Film_category	Category.category_id = film_category.category_id	Foreign key reference to film_category table

Unique Keys

Table	Join	Description
Category_id	Primary	Unique identifier for category

Table: City

Columns  Primary key  Foreign Key

Columns	Data Type	Description
city_id 	SERIAL	Unique identifier for city
City	CHARACTER VARYING(50)	Name of city
Country_id 	SMALLINT	Unique identifier for country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
Country	City.country_id = country.country_id	Foreign key reference to country table



Linked from


Table	Join	Description
Address	City.city_id = address.city_id	Foreign key reference to address table

Unique Keys

Table	Join	Description
City_id	Primary	Unique identifier for city
Country_id	Foreign	Unique identifier for country

Table: Country

Columns  Primary key  Foreign Key

Columns	Data Type	Description
country_id 	SERIAL	Unique identifier for country
Country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

The country table does not link to any other tables.



Linked from



Table	Join	Description
City	Country.country_id = city.country_id	Foreign key reference to city table

Unique Keys

Table	Join	Description
Country_id	Primary	Unique identifier for country

Table: Customer

Columns  Primary key  Foreign Key

Columns	Data Type	Description
customer_id 	SERIAL	Unique identifier for customer
store_id	SMALLINT	Unique identifier 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
Address_id 	SMALLINT	Unique identifier for address of customer
Activebool	BOOLEAN	Status of whether customer is active or not
Create_date	DATE	Date of customer profile creation
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update
Active	INTEGER	Active status represented by 1 or 0

Links to

Table	Join	Description
Address	Customer.address_id = address.address_id	Foreign key reference to address table



Linked from



Table	Join	Description
Payment	Customer.customer_id = payment.customer_id	Foreign key reference to payment table
Rental	Customer.customer_id = rental.customer_id	Foreign key reference to rental table

Unique Keys

Table	Join	Description
Customer_id	Primary	Unique identifier for customer
Address_id	Foreign	Unique identifier for address

Table: Film

Columns  Primary key  Foreign Key

Columns	Data Type	Description
film_id 	SERIAL	Unique identifier for film
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
release_year	Year	Release year of film
language_id 	SMALLINT	Unique identifier for language of film
Rental_duration	SMALLINT	Rental duration of film
Rental_rate	NUMERIC(4,2)	Rental rate of film
Length	SMALLINT	Length of film
Replacement_cost	NUMERIC(5,2)	Replacement cost of film
Rating	Mpaa_rating	Mpaa rating of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update
Special_features	TEXT[]	Special features of film
Fulltext	TSVECTOR	Full text index; info about significant words

Links to

Table	Join	Description
Language	Film.language_id = language.language_id	Foreign key reference to language table



Linked from





Table	Join	Description
Film_actor	Film.film_id = film_actor.film_id	Foreign key reference to film_actor table
Inventory	Film.film_id = inventory.film_id	Foreign key reference to inventory table
Film_category	Film.film_id = film_category.film_id	Foreign key reference to film_category table

Unique Keys

Table	Join	Description
Film_id	Primary	Unique identifier for film
Language_id	Foreign	Unique identifier for language of film

Table: Film_actor

Columns  Primary key  Foreign Key

Columns	Data Type	Description
actor_id  	SMALLINT	Unique identifier for actor
film_id  	SMALLINT	Unique identifier for film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

Links to

Table	Join	Description
Actor	Film_actor.actor_id = actor.actor_id	Foreign key reference to actor table
Film	Film_actor.film_id = film.film_id	Foreign key reference to film table



Linked from





The film_actor table does not link from any other tables.

Unique Keys

Table	Join	Description
Actor_id	Primary	Unique identifier for actor
Film_id	Primary	Unique identifier for film

Table: Film_category

Columns  Primary key  Foreign Key

Columns	Data Type	Description
film_id  	SMALLINT	Unique identifier for film
category_id  	SMALLINT	Unique identifier for category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
Film	Film_category.film_id = film.film_id	Foreign key reference to film table
Category	Film_category.category_id = category.category_id	Foreign key reference to category table



Linked from



The film_category table does not link from any other tables.

Unique Keys

Table	Join	Description
Film_id	Primary	Unique identifier for film
Category_id	Primary	Unique identifier for category

Table: Inventory

Columns  Primary key  Foreign Key

Columns	Data Type	Description
inventory_id 	SERIAL	Unique identifier for inventory
film_id 	SMALLINT	Unique identifier for film
store_id	SMALLINT	Unique identifier for store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
Film	Inventory.film_id = film.film_id	Foreign key reference to film table



Linked from


Table	Join	Description
Rental	Inventory.inventory_id = rental.inventory_id	Foreign key reference to rental table

Unique Keys

Table	Join	Description
Inventory_id	Primary	Unique identifier for inventory
Film_id	Foreign	Unique identifier for film

Table: Language

Columns  Primary key  Foreign Key

Columns	Data Type	Description
language_id 	SERIAL	Unique identifier for language of film
Name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

The language table does not link to any other tables.



Linked from



Table	Join	Description
Film	Language.language_id = film.language_id	Foreign key reference to film table

Unique Keys

Table	Join	Description
Language_id	Primary	Unique identifier for language of film

Table: Staff

Columns  Primary key  Foreign Key

Columns	Data Type	Description
Staff_id 	SERIAL	Unique identifier for staff
First_name	CHARACTER VARYING(45)	First name of staff
Last_name	CHARACTER VARYING(45)	Last name of staff
Address_id 	SMALLINT	Unique identifier for address of staff
Email	CHARACTER VARYING(50)	Email of staff
store_id	SMALLINT	Unique identifier for store
Active	BOOLEAN	Status of whether staff is currently employed
Username	CHARACTER VARYING(16)	Username of staff
Password	CHARACTER VARYING(40)	Password of staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update
Picture	BYTEA	Picture of staff

Links to

Table	Join	Description
Address	Staff.address_id = address.address_id	Foreign key reference to address table



Linked from




Table	Join	Description
Rental	Staff.staff_id = rental.staff_id	Foreign key reference to rental table
Payment	Staff.staff_id = payment.staff_id	Foreign key reference to payment table
Store	Staff.staff_id = store.staff_id	Foreign key reference to store table

Unique Keys

Table	Join	Description
Staff_id	Primary	Unique identifier for staff
Address_id	Foreign	Unique identifier for address

Table: Store

Columns  Primary key  Foreign Key

Columns	Data Type	Description
store_id 	SERIAL	Unique identifier for store
Manager_staff_id 	SMALLINT	Unique identifier for manager of staff
Address_id 	SMALLINT	Unique identifier for address of store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Links to

Table	Join	Description
Staff	Store.manager_staff_id = staff.staff_id	Foreign key reference to staff table
Address	Store.address_id = address.address_id	Foreign key reference to address table

Linked from

The store table does not link from any other tables.

Unique Keys

Table	Join	Description
Store_id	Primary	Unique identifier for store
Manager_staff_id	Foreign	Unique identifier for manager of staff
Address_id	Foreign	Unique identifier for address of store