



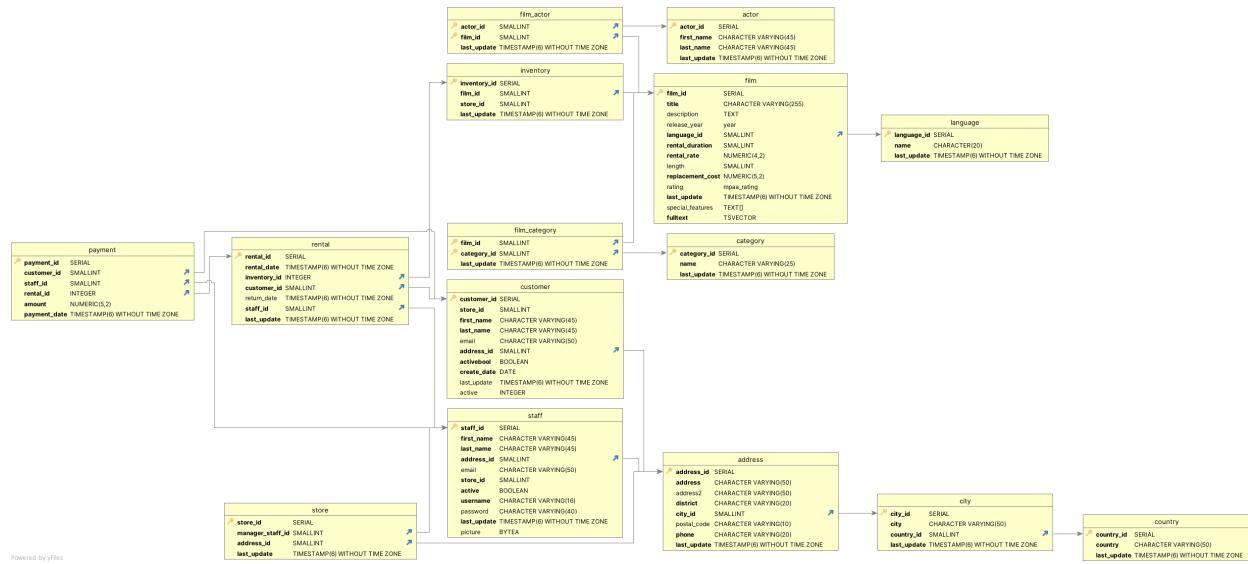
Rockbuster Stealth Data Dictionary

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Entity Relationship Diagram



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Fact Tables

2.1 Payment

Payment		
Column	Data Type	Description
Payment_id	Serial	Unique payment identifier
Customer_id	Smallint	Unique customer identifier
Staff_id	Smallint	Unique staff identifier
Rental_id	Integer	Unique rental identifier
Amount	Numeric(5,2)	Amount of payment received
Payment_date	Timestamp (6) without time zone	Time and date of payment

Links to	
Table	Join
Rental	Payment.rental_id = rental.rental_id
Customer	Payment.customer_id = Customer.customer_id
Staff	Payment.staff_id = staff.staff_id

Links from	
Table	Join
No links from other tables	

Keys	
Column	Key Type
Payment_id	Primary Key
Customer_id	Foreign Key
Staff_id	Foreign Key
Rental_id	Foreign Key

2.2 Rental Table

Rental		
Column	Data Type	Description
Rental_id	Serial	Unique rental identifier
Rental_date	Timestamp (6) without time zone	Time and date of rental
Inventory_id	Integer	Unique inventory identifier
customer_id	smallint	Unique customer identifier
Return_date	Timestamp (6) without time zone	Time and date of return
Staff_id	Smallint	Unique staff identifier
Last_update	Timestamp (6) without time zone	Time and date of last update

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

Links from	
Table	Join
Payment	Rental.rental_id – payment.rental_id

Keys	
Column	Key Type
Rental_id	Primary key
Inventory_id	Foreign key
Customer_id	Foreign key
Staff_id	Foreign key

Dimensions Tables

3.1 Customer

Customer		
Customer_id	Serial	Unique customer identifier
Store_id	Smallint	Unique store identifier
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 address identifier
Activebool	Boolean	Status of whether a customer is active
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
Address	Customer.address_id = address.address_id

Links from	
Table	Join
rental	Customer.customer_id = rental.customer_id
Payment	Customer.customer_id = payment.customer_id

Keys	
Column	Key Type
Customer_id	Primary key
Address_id	Foreign Key

3.2 Store

Store		
Store_id	Serial	Unique store identifier
Manager_Staff_id	Smallint	Unique manager identifier
Address_id	Smallint	Unique address identifier
Last-update	Timestamp (6) without time zone	Time and date of last update

Links to	
Table	Join
Staff	Store.manager_staff_id = staff.staff_id
Address	Store.address_id = address.address_id

Links from	
Table	Join
Links from no other tables	

Keys	
Column	Key Type
Store_id	Primary key
Manager_Staff_id	Foreign Key
Address_id	Foreign Key

3.3 Staff

Staff		
Staff_id	Serial	Unique staff identifier
First_name	Character varying (45)	First name of staff
Last_name	Character varying (45)	Last name of staff
Email	Character varying (50)	Email of staff
Store_id	Smallint	Unique store identifier
Activebool	Boolean	Status of whether a staff member is active
Username	Character varying (16)	Staff's username
Password	Character varying (40)	Staff's password
Last_update	Timestamp (6) without time zone	Time and date of last staff profile update
Picture	Bytea	Picture of staff member

Links to		
Table	Join	
Address	Staff.address_id = address.address_id	

Links from		
Table	Join	
Rental	Staff.staff_id = rental.staff_id	
Payment	Staff.staff_id = payment.staff_id	
Store	Staff.staff_id = store.staff_id	

Keys		
Column	Key Type	
Staff_id	Primary key	
Address_id	Foreign Key	

3.4 Address

Address		
Address_id	Serial	Unique address identifier
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 city identifier
Postal_code	Character varying (10)	Postal code of address
Phone	Character varying (10)	Phone number of address
Last_update	Timestamp (6) without time zone	Last update of address

Links to		
Table	Join	
city	Address.city_id = city.city_id	

Links from		
Table	Join	
Staff	Address.address_id = staff.address_id	
Customer	Address.address_id = customer.address_id	
Store	Address.address_id = store.address_id	

Keys	
Column	Key Type
Address_id	Primary key
City_id	Foreign Key

3.5 City

City		
City_id	Serial	Unique city identifier
City	Character varying (50)	Name of city
Country_id	Smallint	Unique country identifier
Last_update	Timestamp (6) without time zone	Last update of city

Links to	
Table	Join
Country	City.country_id = country.country_id

Links from	
Table	Join
Address	City.city_id = address.city_id

Keys	
Column	Key Type
City_id	Primary key
Country_id	Foreign Key

3.6 Country

Country		
Country_id	Serial	Unique country identifier
Country	Character varying (50)	Name of country
Last_update	Timestamp (6) without time zone	Last update of country

Links to	
Table	Join
Links to no other tables	

Links from	
Table	Join
City	Country.country_id = city.country_id

Keys	
Column	Key Type
Country_id	Primary key

3.7 Film

Film		
Film_id	Serial	Unique film identifier
Title	Character varying (255)	Title of film
Description	Text	Description of film
Release_year	Year	Film release year
Language_id	Smallint	Unique language identifier
Rental_Duration	Smallint	Duration of rental
Rental_Rate	Numeric(4,2)	Rate of rental
Length	Smallint	Length of film
Replacement_cost	Numeric(5,2)	Cost to replace film
Rating	Mpaa_rating	Rating of film
Last_update	Timestamp (6) without time zone	Last update of film profile
Special_features	Text[]	Special features of film
Fulltextt	Tsvector	Full text index. Information about significant words.

Links to	
Table	Join
Language	Film.language_id = language.language_id

Links from	
Table	Join
Film_actor	Film.film_id = film_actor.film_id
Inventory	Film.film_id = inventory.film_id
Film_category	Film.film_id = film_category.film_id

Keys	
Column	Key Type
film_id	Primary key
Language_id	Foreign Key

3.8 Category

Category		
Category_id	Serial	Unique category identifier
Name	Character varying (25)	Name of category
Last_update	Timestamp (6) without time zone	Last update of category

Links to	
Table	Join
Links to no other tables	

Links from	
Table	Join
Film_category	Category.category_id = film_category.category_id

Keys	
Column	Key Type
Category_id	Primary key

3.9 Film_Category

Film_Category		
Film_id	Smallint	Unique film identifier
Category_id	Smallint	Unique category identifier
Last_update	Timestamp (6) without time zone	Last update of film

Links to	
Table	Join
Film	Film_category.film_id = film.film_id
Category	Film_category.category_id = category.category_id

Links from	
Table	Join
Links from no other tables	

Keys	
Column	Key Type
film_id	Primary key
Category_id	Primary Key

3.10 Language

Language		
Language_id	Serial	Unique language identifier
Name	Character (2)	Name of language
Last_update	Timestamp (6) without time zone	Last update of language

Links to	
Table	Join
Links to no other tables	

Links from	
Table	Join
Film	Language.language_id = film.language_id

Keys	
Column	Key Type
Language_id	Primary key

3.11 Actor

Actor		
Actor_id	Serial	Unique actor identifier
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	Last update of actor profile

Links to	
Table	Join
Links to no other tables	

Links from	
Table	Join
Film_actor	Actor.actor_id = film_actor.actor_id

Keys	
Column	Key Type
Actor_id	Primary key

3.12 Film_Actor

Film_Actor		
Actor_id	Smallint	Unique actor identifier
Film_id	Smallint	Unique film identifier
Last_update	Timestamp (6) without time zone	Last update of film actor

Links to	
Table	Join
Actor	Film_actor.actor_id = actor.actor_id
Film	Film_actor.film_id = film.film_id

Links from	
Table	Join
Links from no other tables	

Keys	
Column	Key Type
Actor_id	Primary key
Film_id	Primary key

3.13 Inventory

Inventory		
Inventory_id	Serial	Unique inventory identifier
Film_id	Smallint	Unique film identifier
Store_id	Smallint	Unique store identifier
Last_update	Timestamp (6) without time zone	Last update of inventory

Links to	
Table	Join
Film	inventory.film_id = film.film_id

Links from	
Table	Join
Rental	Inventory.inventory_id = rental.inventory_id

Keys	
Column	Key Type
Inventory_id	Primary key
Film_id	Foreign key