

ROCKBUSTER STEALTH

Data Dictionary

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LEGEND

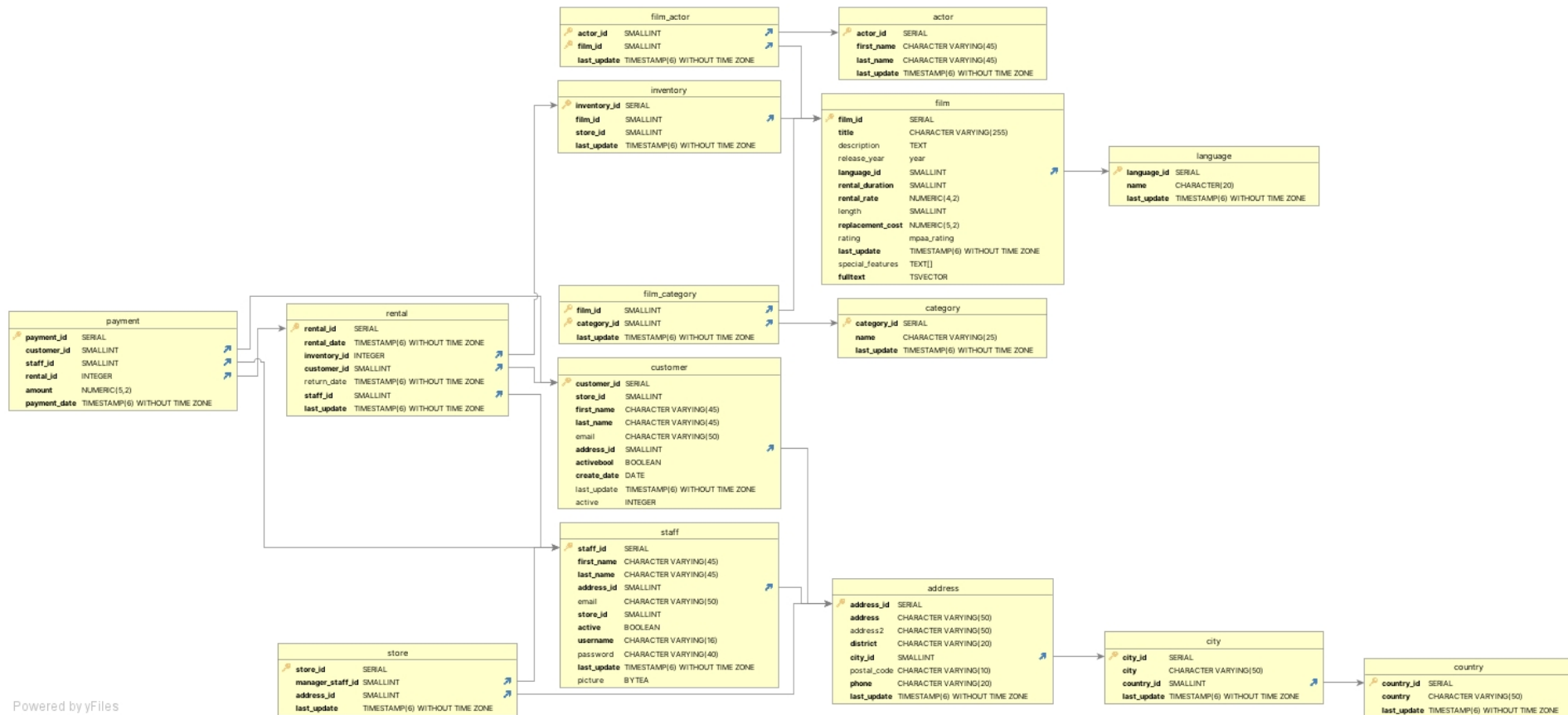


Primary Key: It's a column or a set of columns that acts as a unique identifier for each record in the table. It must be unique for each entry, and it can't be null.



Foreign Key: It's a column or a set of columns that refers to the primary key in another table. They're used to establish relationships between tables.





ERD



TABLES





1. Fact Tables

1.1. Payment Table

Column	Data Type	Description
payment_id 	serial	The primary key that acts as a unique identifier for payments
customer_id 	smallint	Unique customer identifier. Foreign key connecting to customers table primary key
staff_id 	smallint	Unique identifier of staff information. Foreign key connecting to staff table primary key
rental_id 	integer	Unique identifier for rental information. Foreign key connecting to rental table foreign key
amount	numeric	Amount of payment
payment_date	timestamp without time zone	Date of the payment

Links to	Links From
Customer, Staff, and Rental	None




1.2. Rental Table

Column	Data Type	Description
rental_id 	serial	The primary key that acts as a unique identifier for rentals
rental_date	timestamp without time zone	Date the rental occurred
inventory_id 	integer	Unique identifier for inventory. Foreign key connecting to inventory table primary key
customer_id 	smallint	Unique customer identifier. Foreign key connecting to customers table primary key
return_date	timestamp without time zone	Date the rental was returned
staff_id 	smallint	Unique identifier of staff information. Foreign key connecting to staff table primary key
last_update	timestamp without time zone	Time and date of last update

Links to	Links From
Inventory, Customer, and Staff	Payment





2. Dimension Tables

2.1. Store Table

Column	Data Type	Description
store_id 	serial	Primary key that acts as unique store identifier
manager_staff_id 	smallint	Unique manager identifier. Foreign key connecting to staff table primary key
address_id 	smallint	Unique address identifier. Foreign key connecting to address table primary key
last_update	timestamp without time zone	Time and date of last update



Links to	Links From
Staff and Address	None

2.2. Film Actor Table

Column	Data Type	Description
actor_id  	smallint	Primary key acting as a unique actor identifier. Foreign key connecting to actor table primary key
film_id  	smallint	Unique film identifier. Foreign key connecting to film table primary key
last_update	timestamp without time zone	Time and date of last update





Links to	Links From
Actor and Film	None

2.3. Inventory Table

Column	Data Type	Description
inventory_id 	serial	Primary key acting as unique inventory identifier
film_id 	smallint	Unique film identifier. Foreign key connecting to film table primary key
store_id	smallint	Unique store identifier
last_update	timestamp without time zone	Time and date of last update



Links to	Links From
Film	Rental

2.4. Film Category Table

Column	Data Type	Description
film_id  	smallint	Primary key acting as a unique film identifier. Foreign key connecting to film table primary key
category_id  	smallint	Unique film category identifier. Foreign key connecting to film table primary key
last_update	timestamp without time zone	Time and date of last update



Links to	Links From
Film and Category	None

2.5. Customer Table

Column	Data Type	Description
customer_id 	serial	Primary key that acts as a unique customer identifier
store_id	smallint	Unique store identifier
first_name	character varying	First name of the customer
last_name	character varying	Last name of the customer
email	character varying	Email of the customer
address_id 	smallint	Unique identifier of customer's address. Foreign key connecting to address table's primary key
activebool	Boolean	Identifies if customers are active ("true") or not active ("false")
create_date	date	Date customer profile was created
last_update	timestamp without time zone	Time and date of last update
active	integer	Identifies if customers are active ("1") or not active ("0")


Links to	Links From
Address	Payment and Rental

2.6. Staff Table

Column	Data Type	Description
staff_id 	serial	Primary key acting as unique staff identifier
first_name	character varying	Staff member's first name
last_name	character varying	Staff member's last name
address_id 	smallint	Staff member's unique address identifier. Foreign key connecting to address table's primary key
email	character varying	Staff member's email
store_id	smallint	Unique store identifier
active	boolean	Identifies if staff are active ("1") or not active ("0")
username	character varying	Staff member's username
password	character varying	Staff member's password
last_update	timestamp without time zone	Time and date of last update
picture	bytea	Staff member's account picture



Links to	Links From
Address	Payment, Rental, and Store

2.7. Actor Table

Column	Data Type	Description
actor_id 	serial	Primary key acting as unique actor identifier
first_name	character varying	Actor's first name
last_name	character varying	Actor's last name
last_update	timestamp without time zone	Time and date of last update

Links to	Links From
None	Film Actor


2.8. Film Table

Column	Data Type	Description
film_id 	serial	Primary key acting as unique film identifier
title	character varying	Title of film
description	text	Film summary
release_year	year	Year film was release
language_id 	smallint	Unique language identifier. Foreign key connecting to language table primary key
rental_duration	smallint	Total days film was rented
rental_rate	numeric	Rating of the film
length	smallint	Length of the film
replacement_cost	numeric	Cost of film replacement
rating	mpaa_rating	Age restrictions of film
last_update	timestamp without time zone	Time and date of last update

special_features	text	Extra videos related to the film
fulltext	tsvector	Film index; contains count of keywords in description


Links to	Links From
Language	Film Actor, Inventory, and Film Category

2.9. Language Table

Column	Data Type	Description
language_id 	serial	Primary key acting as unique language identifier
name	character	Name of film language
last_update	timestamp without time zone	Time and date of last update

Links to	Links From
None	Film



2.10. Category Table

Column	Date Type	Description
category_id 	serial	Primary key acting as unique category identifier
name	character varying	Name of film's category

last_update	timestamp without time zone	Time and date of last update
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Links to	Links From
None	Film Category

2.11. Address Table

Column	Date Type	Description
address_id 	serial	Primary key acting as unique address identifier
address	character varying	Primary address
address2	character varying	Additional address (e.g., apartment number)
district	character varying	Name of district
city_id 	smallint	Unique city identifier. Foreign key connecting to city table primary key
postal_code	character varying	Postal code
phone	character varying	Phone number
last_update	timestamp without time zone	Time and date of last update


Links to	Links From
City	Store, Customer, and Staff

2.12. City Table

Column	Data Type	Description
city_id 	serial	Primary key acting as unique city identifier
city	character varying	City name
country_id 	smallint	Unique country identifier. Foreign key connecting to country table primary key
last_update	timestamp without time zone	Time and date of last update

Links to	Links From
Country	Address

2.13. Country Table

Column	Data Type	Description
country_id 	serial	Primary key acting as unique country identifier
country	character varying	Country name
last_update	timestamp without time zone	Time and date of last update

Links to	Links From
None	City