

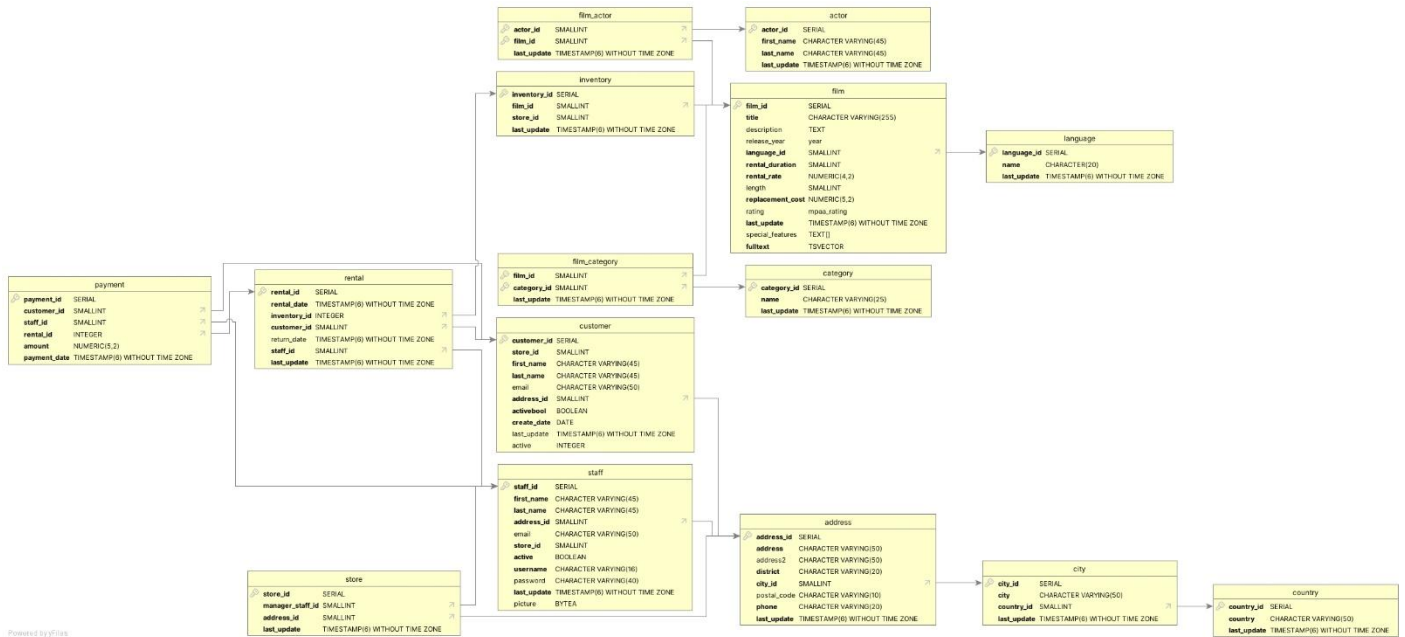
Rockbuster

Data Dictionary

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Entity Relationship Diagram



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Fact Tables

payment		
Column	Data Type	Description
payment_id	SERIAL	unique ID of payment transaction
custom_id	SMALLINT	unique ID of customer
staff_id	SMALLINT	unique ID of staff
rental_id	INTEGER	unique ID rental product
amount	NUMERIC(5,2)	payment total
payment_date	TIMESTAMP NO TIME ZONE	date and time of payment

rental		
Column	Data Type	Description
rental_id	SERIAL	unique ID of rental product
rental_date	TIMESTAMP NO TIME ZONE	date and time of rental
inventory_id	INTEGER	unique ID of inventory product
customer_id	SMALLINT	unique ID of customer
return_date	TIMESTAMP NO TIME ZONE	date and time of rental return
staff_id	SMALLINT	unique ID of staff
last_update	TIMESTAMP NO TIME ZONE	date and time of last rental

Dimension Tables

address		
Column	Data Type	Description
address_id	SERIAL	unique ID of staff address
address	CHARACTER VARYING(50)	address of staff
address2	CHARACTER VARYING(50)	address of staff continued
district	CHARACTER VARYING(20)	district of staff
city_id	SMALLINT	unique ID of city of staff
postal_code	CHARACTER VARYING(10)	postal code of staff address
phone	CHARACTER VARYING(20)	phone number of staff
last_update	TIMESTAMP NO TIME ZONE	date and time of last update
address_id	SERIAL	unique ID of staff address
address	CHARACTER VARYING(50)	address of staff

category		
Column	Data Type	Description
category_id	SERIAL	unique ID of film category
name	CHARACTER VARYING(25)	name of category
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

city		
Column	Data Type	Description
city_id	SERIAL	unique ID of city of staff
city	CHARACTER VARYING(50)	city name of staff address
country_id	SMALLINT	unique ID of country of staff
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

country		
Column	Data Type	Description
country_id	SERIAL	unique ID of country of staff
country	CHARACTER VARYING(50)	name of country of staff address
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

customer		
Column	Data Type	Description
customer_id	SERIAL	unique ID of customer
store_id	SMALLINT	unique ID of store
first_name	CHARACTER VARYING(45)	first name of customer
last_name	CHARACTER VARYING(45)	family name of customer
email	CHARACTER VARYING(50)	email of customer
address_id	SMALLINT	unique ID of customer address
activebool	BOOLEAN	active or not (true/false)
create_date	DATE	date customer account created
last_update	TIMESTAMP NO TIME ZONE	date and time of last update
active	INTEGER	active or not (binary)

film		
Column	Data Type	Description
film_id	SERIAL	unique ID of film
title	CHARACTER VARYING(255)	title of film
description	TEXT	film description
release_year	YEAR	year film released
language_id	SMALLINT	unique ID of film language
rental_duration	SMALLINT	rental length
rental_rate	NUMERIC(4,2)	rate of rental
length	SMALLINT	rental days
replacement_cost	NUMERIC(5,2)	value of rental product
rating	mpaa_rating	rating of rental product
last_update	TIMESTAMP NO TIME ZONE	date and time of last update
special_features	TEXT[]	bonus media of film
fulltext	TSVECTOR	text of the film

film_actor		
Column	Data Type	Description
actor_id	SMALLINT	unique ID of actor
film_id	SMALLINT	unique ID of film
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

film_category		
Column	Data Type	Description
film_id	SMALLINT	unique ID of rental product
category_id	SMALLINT	date and time of rental
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

inventory		
Column	Data Type	Description
inventory_id	SERIAL	unique ID of inventory product
film_id	SMALLINT	unique ID of film
store_id	SMALLINT	unique ID of store
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

language		
Column	Data Type	Description
lanaguage_id	SERIAL	unique ID of film language
name	CHARACTER(20)	name of film language
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

store		
Column	Data Type	Description
store_id	SERIAL	unique ID of store
manager_staff_id	SMALLINT	unique ID of store manager
address_id	SMALLINT	unique ID of store address
last_update	TIMESTAMP NO TIME ZONE	date and time of last update

film		
Column	Data Type	Description
staff_id	SERIAL	unique ID of staff
first_name	CHARACTER VARYING(45)	first name of staff
last_name	CHARACTER VARYING(45)	family name of staff
address_id	SMALLINT	unique ID of staff address
email	CHARACTER VARYING(50)	email of staff
store_id	SMALLINT	unique ID of store
active	BOOLEAN	active or not (binary)
username	CHARACTER VARYING(16)	staff username
password	CHARACTER VARYING (40)	staff account password
last_update	TIMESTAMP NO TIME ZONE	date and time of last update
picture	BYTEA	picture of staff