



STEP 3

Is a Snowflake Schema. The Fact table is in the middle surrounded by dimension tables.

FACT TABLES

PAYMENT

Columns	Data Type	Description
amount	numeric	Amount of payment
customer_id	int2	Customer identity
payment_date	timestamp	Date of payment
payment_id	serial	Payment reference
rental_id	int4	Identity for film rental
staff_id	int2	Identity for staff

FILM CATEGORY

Columns	Data Type	Description
film_id	int2	Film Identity
category_id	int2	Category Identity
last_update	timestamp	Film last update

STORE

Columns	Data Type	Description
store_id	serial	Primary Key for Store records.
manager_staff_id	int2	Identity for manager and staff
address_id	int2	Identity for store address
Last_update	timestamp	Date update

FILM ACTOR

Columns	Data Type	Description
actor_id	int2	Primary key for actor records
film_id	int2	Film Identity
last_update	timestamp	Date for actor last update

DIMENSION TABLES

RENTAL

Columns	Data Type	Description
rental_id	serial	Primary key for rent
rental_date	timestamp	Date for rent
inventory_id	int4	Identity for Inventory
customer_id	int2	Identity for customer
return_date	timestamp	Date of return
staff_id	int2	Identity for staff
last_update	timestamp	Last Date updated

CUSTOMER

Columns	Data Type	Description
customer_id	serial	Primary key for a customer
store_id	int2	Identity for store
first_name	varchar	Customers first name
last_name	varchar	Customers last name
email	varchar	Customers email
address_id	int2	Identity for customers address
activebool	bool	Yes/No for Customer
create_date	date	Date for customer creation
last_update	timestamp	Last date updated
active	int4	0/1 integer if customer is active.

ADDRESS

Columns	Data Type	Description
address_id	serial	Primary key for address
address	varchar	First line of address
address2	varchar	Second line of address
district	varchar	District for address
city_id	int2	Identity of city
postal_code	varchar	Postal code
phone	varchar	Phone number
last_update	timestamp	Last date updated

STAFF

Columns	Data Type	Description
staff_id	serial	Primary key for Staff
first_name	varchar	Staff first name
last_name	varchar	Staff last name
address_id	int2	Identity for staff address
email	varchar	Staff email
store_id	int2	Identity for store
active	bool	Yes/No for Staff activation
username	varchar	Staff username
password	varchar	Staff password
last_update	timestamp	Last date updated
picture	bytea	Staff picture

ACTOR

Columns	Data Type	Description
actor_id	serial	Primary key for Actor
first_name	varchar	Actors first name
last_name	varchar	Actors Last name
last_update	timestamp	Last date updated

FILM

Columns	Data Type	Description
film_id	serial	Primary key for film identity
title	varchar	Film title
description	text	Film description
release_year	year	Film release year
language_id	int2	Identity for film language
rental_duration	int2	Film rental duration
rental_rate	numeric	Film rental rating
length	int2	Film length
replacement_cost	numeric	Film replacement cost
rating	mpaa_rating	Film rating
last_update	timestamp	Film last update
special_features	_text	Special features for film
fulltext	tsvector	Fulltext for film

STEP 4

- Film, film_actor, actor & tables
- Film & Language tables