

Rockbuster

Stealth

Data Dictionary

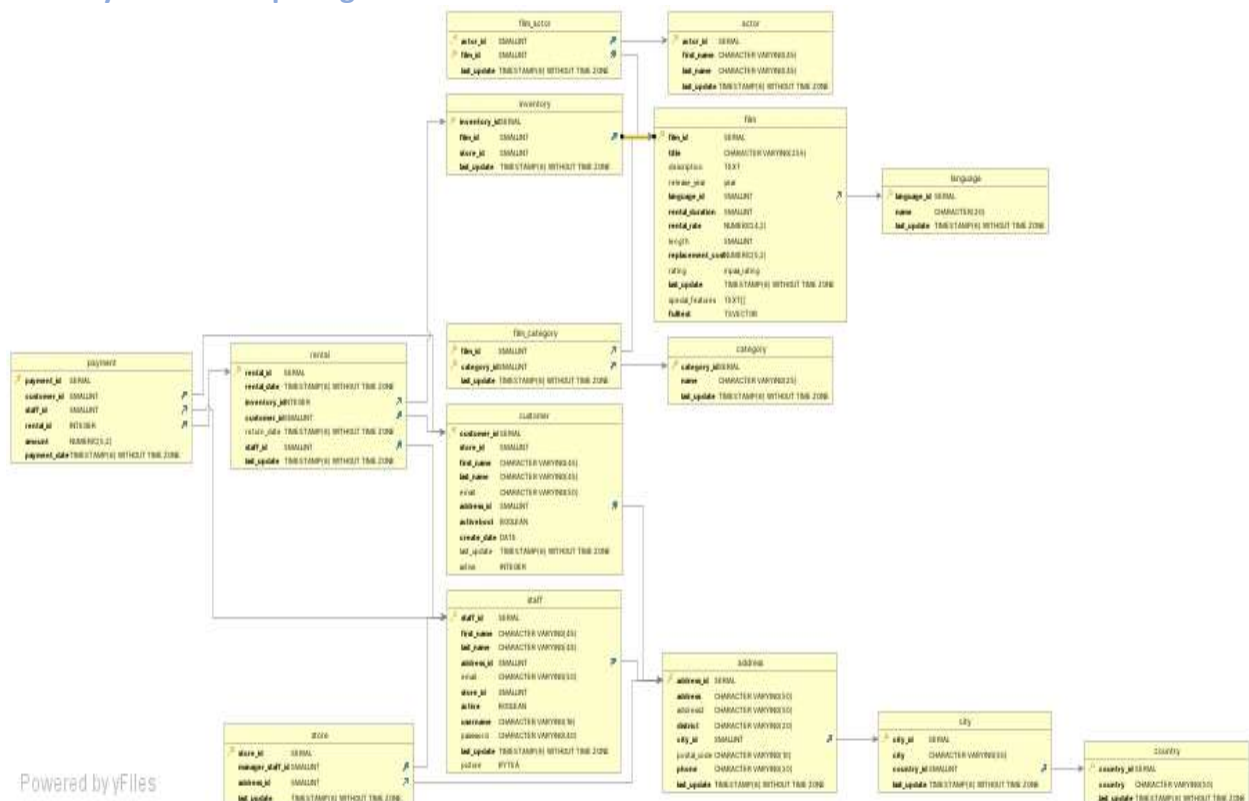
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1. Entity Relationship Diagram






Rockbuster Stealth database is a snowflake schema. There is fact tables and dimension table. Dimension table have sub dimension table.

2. Legend





	Primary Key
	Foreign Key

3. Fact Table

3.1 Table Name: Payment

Column Name	Data Type	Description	Link to
Payment_date	timestamp without time zone	Date of payment	
amount	numeric	Numerical measure	
customer_id 	smallint	FK to customer	customer
rental_id 	integer	FK to rental	rental
payment_id 	integer	PK identifier	
staff_id	smallint	payment	staff


3.2 Table Name: Rental

Column Name	Data Type	Descriptions	Link to
staff_id 	smallint	FK to staff	staff
inventory_id 	integer	FK to inventory	inventory
last_update	timestamp without time zone	Last updated date	
customer_id 	smallint	FK to customer	customer
rental_id 	integer	PK identifier	
rental_date	timestamp without time zone	Date of rental start	
return_date	timestamp without time zone	Date of rental ends	

4. Dimension Table



4.1

Table Name: actor

Column Name	Data Type	Descriptions	Link to
first_name	character varying(45)	Actor first name	
last_update	timestamp without time zone	Last update in actor	
last_name	character varying(45)	Actor last name	
actor_id 	integer	Unique id of actor	actor

4.2

Table Name: address

Column Name	Datatype	Descriptions	Link to
last_update	timestamp without time zone	Last update of address	
postal_code	character varying(10)	Postal code of address	
city_id 	smallint	FK to city	city
address	character varying(50)	First address	
district	character varying(20)	Region name	
address_id 	integer	PK identifier	address
address2	character varying(50)	Second address	
phone	character varying(20)	Phone number	

4.3

Table Name: category


Column Name	Datatype	Descriptions	Link to
name	character varying(25)	Unique category	
category_id 	integer	PK identifier	Film category
last_update	timestamp without time zone	Last update in category	

Table Name: city



Column Name	DataType	Descriptions	Link to
city_id 	integer	PK identifier	
city	character varying(50)	City name	
country_id 	smallint	FK to country	city
last_update	timestamp without time zone	Last update of city	

Table Name: country


Column Name	DataType	Descriptions	Link to
country	character varying(50)	Country name	
last_update	timestamp without time zone	Last update of country	
country_id 	integer	PK identifier of country	

Table Name: customer



Column Name	DataType	Descriptions	Link to
last_update	timestamp without time zone	Last update of customer	
email	character varying	Email id of customer	
store_id 	smallint	FK to store	
active	integer	Active customer	
last_name	character varying(45)	Customer last name	
customer_id 	integer	PK identifier	
first_name	character varying(45)	Customer first name	
activebool	boolean	customer	
create_date	date	Join date of customer	
address_id	smallint	FK to address	address

Table Name: film



Column Name	DataType	Descriptions	Link to
description	text	Film description	
title	character varying(255)	Film title	
rental_rate	numeric	Film rental rate	
special_features	ARRAY	Special feature film	
replacement_cost	numeric	Replacement cost of film	
release_year	integer	Film release year	
fulltext	tsvector	Full title of film	
film_id 	integer	PK identifier	
rental_duration	smallint	Rental timeline	
last_update	timestamp without time zone	Last update of film	
rating	USER-DEFINED	Film rating	
language_id 	smallint	FK to language	Language
length	smallint	Length of film	

Table Name: film_actor

Column Name	DataType	Descriptions	Link to
actor_id	smallint	PK:FK to actor	actor
last_update	timestamp without time zone	Last update in film_actor	
film_id	smallint	PK:FK to film	film

Table Name: film_category

Column Name	DataType	Descriptions	Link to
last_update	timestamp without time zone	Last update in film_category	
category_id	smallint	PK:FK to category	Film category
film_id	smallint	PK:FK to film	

Table Name: inventory



Column Name	DataType	Descriptions	Link to
film_id 	smallint	FK to film	film
store_id	smallint	Unique store id	
inventory_id 	integer	Primary Key	
last_update	timestamp without time zone	Last update in inventory	

Table Name: language


Column Name	DataType	Descriptions	Link to
name	character(20)	Language name	
last_update	timestamp without time zone	Date when last updated	
language_id 	integer	PK identifier	

Table Name: staff






Column Name	DataType	Descriptions	Link to
last_name	character varying(45)	Staff last name	
username	character varying(16)	Staff user name	
email	character varying(50)	Staff email id	
store_id 	smallint	FK to store	
first_name	character varying(45)	Staff first name	
last_update	timestamp without time zone	Last update in staff	
picture	bytea	Staff picture	
staff_id 	integer	PK identifier	
address_id 	smallint	Unique address of staff	address
active	boolean	Active staff	
password	character varying(40)	Staff password	

Table Name: store

Column Name	DataType	Descriptions	Link to
address_id 	smallint	FK to address	address
manager_staff_id	smallint	Unique id of manager staff	staff
last_update	timestamp without time zone	Last update in store	
store_id 	integer	PK identifier	