ROCKBUSTER STEALTH

DATA DICTIONARY
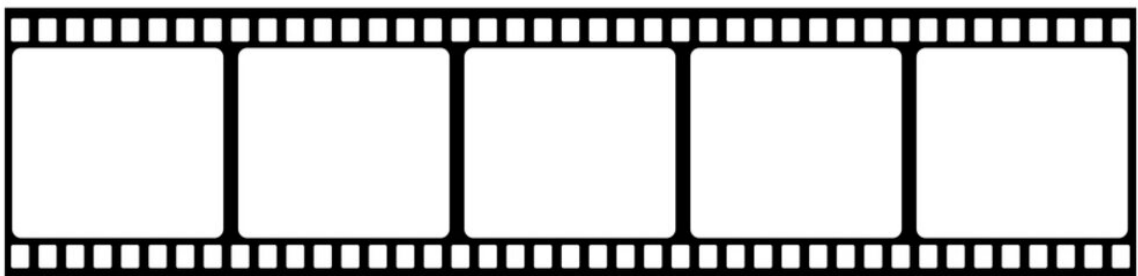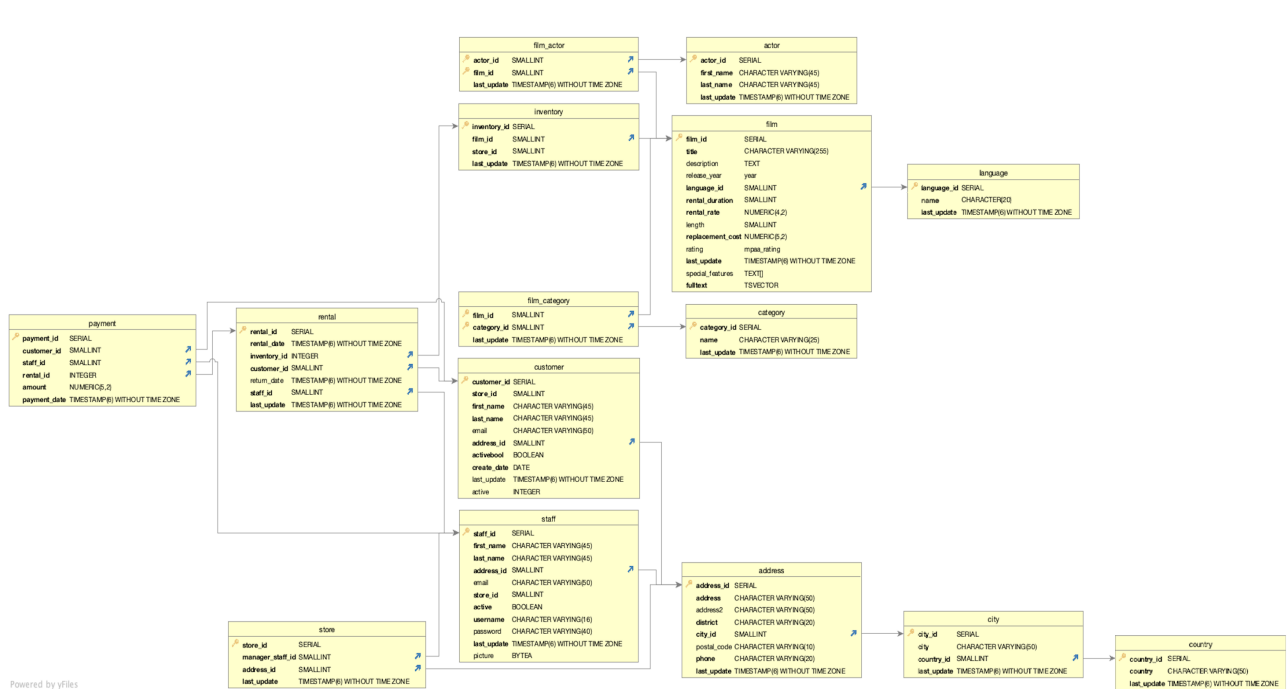
Table of Contents

ENTITY RELATIONSHIP DIAGRAM (ERD)

film_actor

actor_id	SMALLINT
film_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor

actor_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory

inventory_id	SERIAL
film_id	SMALLINT
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film

film_id	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language

language_id	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

payment_id	SERIAL
customer_id	SMALLINT
staff_id	SMALLINT
rental_id	INTEGER
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental

rental_id	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER
customer_id	SMALLINT
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category

film_id	SMALLINT
category_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category

category_id	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer

customer_id	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff

staff_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

address

address_id	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

store

store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city

city_id	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country

country_id	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

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LEGEND

🔑 (yellow key)	Primary Key
🔑 (blue key)	Foreign Key

FACT TABLE

RENTAL

Key	Columns	Data Type	Description	Links From	Links to
🔑 (yellow)	rental_id	SERIAL	Unique id given to each movie	payment	
	rental _date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of rental		
🔑 (blue)	inventory _id	INTEGER	The id given for record keeping		inventory
🔑 (blue)	customer_id	SMALLINT	Customer who rented the movie		customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	The date of movie returned		
🔑 (blue)	staff_id	SMALLINT	The id given to each staff		staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last updated data entry		

DIMENSION TABLE

PAYMENT

Key	Columns	Data Type	Description	Links From	Links to
🔑	payment_id	SERIAL	Number given to rental		
🔑	customer_id	SMALLINT	Number given to custmer		customer
🔑	staff_id	SMALLINT	Number given to employee		staff
🔑	renta_id	INTEGER	Number given to rental		rental
	amount	NUMERIC:5,21	Amount paid		
	payment date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of payment		

FILM ACTOR

Key	Columns	Data Type	Description	Links From	Links to
🔑🔑	actor_id	SMALLINT	Number assigned to each actor		actor
🔑🔑	film_id	SMALLINT	Number assigned to film		film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of data entry		

INVENTORY

Key	Columns	Data Type	Description	Links From	Links to
🔑	inventory_id	SERIAL	Number assigned to rental	rental	
🔑	film_id	SMALLINT	Number assigned to film		film
	store_id	SMALLINT	Number assigned to store		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

FILM CATEGORY

Key	Columns	Data Type	Description	Links From	Links to
🔑🔑	film_id	SMALLINT	Number assigned to film		film
🔑🔑	category_id	SMALLINT	Film category		category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

CUSTOMER

Key	Columns	Data Type	Description	Links From	Links to
🔑	customer_id	SERIAL	Customer id number		
	store_id	SMALLINT	Store id number		
	first_name	CHARACTER VARYING45)	First name of customer		
	last_name	CHARACTER VARYING45)	Last name of customer		
	email	CHARACTER VARYING 50)	Customer email address		
🔑	address_id	SMALLINT	Customer address		
	activebool	BOOLEAN	If customer is an active member		
	create_date	DATE	Creation date of membership		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		
	active	INTEGER	If customer is an active member		

STAFF

Key	Columns	Data Type	Description	Links From	Links to
🔑	staff id	SERIAL	Staff id number	payment, rental	
	first_name	CHARACTER VARYING (45)	First name of staff		
	last_name	CHARACTER VARYING (45)	Last name of staff		
🔑	address_id	SMALLINT	Staff address		address
	email	CHARACTER VARYING (50)	Staff email address		
	store_id	SMALLINT	Store id number		
	active	BOOLEAN	If an active employee		
	username	CHARACTER VARYING (16)	Staff username		
	password	CHARACTER VARYING (40)	Staff account password		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		
	picture	BYTEA	Staff password		

ACTOR

Key	Columns	Data Type	Description	Links From	Links to
🔑	actor_id	SERIAL	Id number given to actor	film_actor	
	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 data entry		

FILM

Key	Columns	Data Type	Description	Links From	Links to
🔑	film_id	SERIAL	Id number given to each film	inventory, film_category	
	title	CHARACTER VARYING (255)	Film title		
	description	TEXT	Description of the film summary		
	release year	year	Release year of the the film		
🔑	language_id	SMALLINT	Id number of language used		language
	rental_duration	SMALLINT	Duration of the film rental		
	rental_rate	NUMERIC (4,2)	Price of rent		
	length	SMALLINT	Duration of movie		
	replacement_cost	NUMERIC (5,2)	Replacement cost		
	rating	mpaa_rating	Movie rating		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		
	special_features	TEXT	Any special features available		
	fulltext	TSVECTOR	Key words		

CATEGORY

Key	Columns	Data Type	Description	Links From	Links to
🔑	category_id	SERIAL	Id given to each movie category	film_category	
	name	CHARACTER VARYING(25)	Name of category		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

LANGUAGE

Key	Columns	Data Type	Description	Links From	Links to
🔑	language_id	SERIAL	Id number given for each language	film	
	name	CHARACTER(20)	Language name		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

ADDRESS

Key	Columns	Data Type	Description	Links From	Links to
🔑	address_id	SERIAL	Id given to store location	customer, staff, store	
	address	CHARACTER VARYING (50)	Store address		
	address2	CHARACTER VARYING (50)	Second store address		
	district	CHARACTER VARYING (20)	Store district		
🔑	city_id	SMALLINT	Name of city where store is located		city
	postal_code	CHARACTER VARYING(10)	Store postal code of city		
	phone	CHARACTER VARYING (20)	Store phone		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

CITY

Key	Columns	Data Type	Description	Links From	Links to
🔑	city_id	SERIAL	Id number for city where store is	address	
	city	CHARACTER VARYING (50)	What city store is located		
🔑	country_id	SMALLINT	Id number of country where store is		country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		

COUNTRY

Key	Columns	Data Type	Description	Links From	Links to
🔑	country_id	SERIAL	Id number of country where store is	city	
	country	CHARACTER VARYING (50)	Country name where store is located		
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry		