

Rockbuster Stealth LLC Data Dictionary

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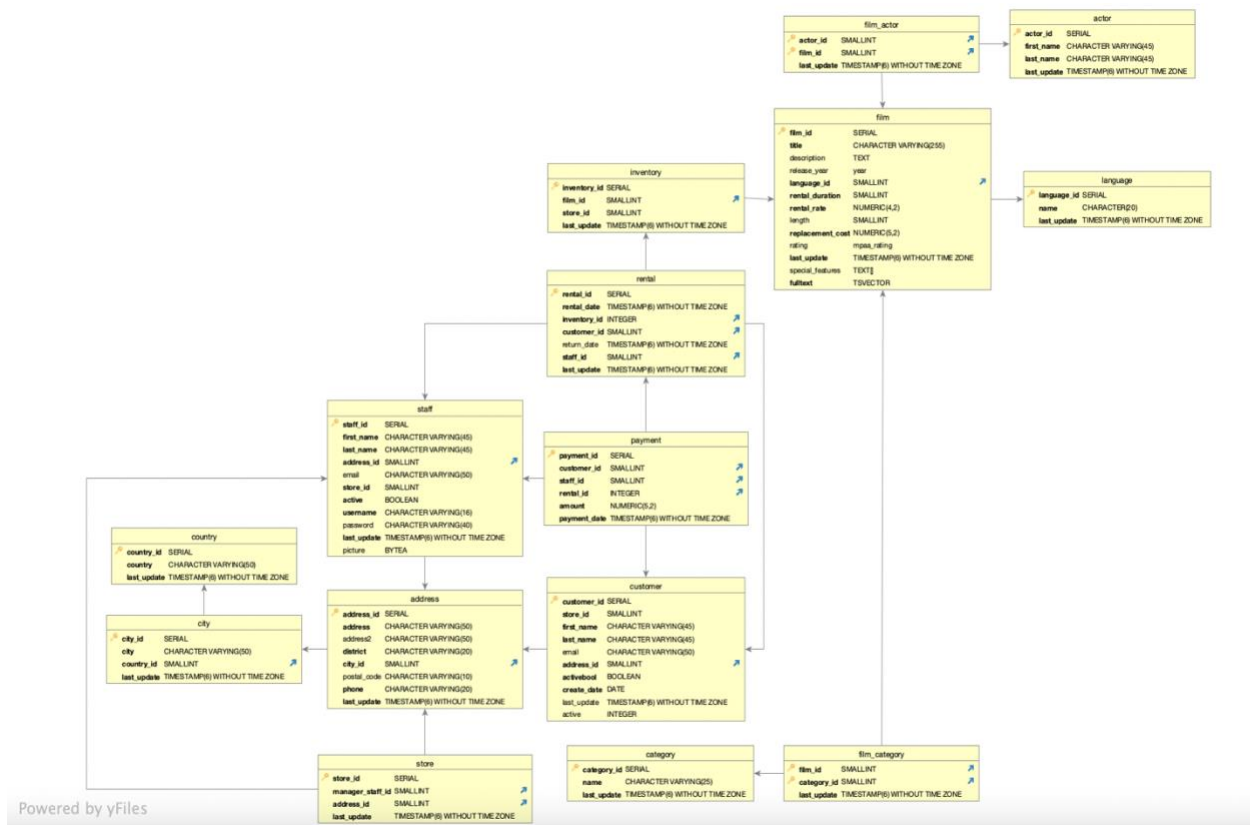
Table of Contents

1. Legend.....	3
2. Entity Relationship Diagram – ERD.....	3
3. Tables.....	4
3.1 actor.....	4
3.2 address.....	5
3.3 category.....	6
3.4 city.....	6
3.5 country.....	7
3.6 customer.....	8
3.7 film.....	9
3.8 film_actor.....	10
3.9 film_category.....	10
3.10 Inventory.....	11
3.11 language.....	11
3.12 payment.....	12
3.13 rental.....	13
3.14 staff.....	14
3.15 store.....	15

1. Legend


	Primary Key
	Foreign Key
	Composite Key

2. Entity Relationship Diagram – ERD



3. Tables



3.1 actor (dimension table)

Name	Data Type	Description
 actor_id	SERIAL	Number assigned to actor
first_name	CHARACTER VARYING(45)	Actor's first name
last_name	CHARACTER VARYING(45)	Actor's last name
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked From

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

3.2 address (dimension table)

Name	Data Type	Description
 address_id	SERIAL	Number assigned to address
address	CHARACTER VARYING(50)	Primary address
address2	CHARACTER VARYING(50)	Secondary address
district	CHARACTER VARYING(20)	District of address
 city_id	SMALL INT	Number assigned to city
postal_code	CHARACTER VARYING(10)	Postal code for address
phone	CHARACTER VARYING(10)	Phone number
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update


Linked From

Table	Join
store	store.address_id = address.address_id
staff	staff.address_id = address.address_id
customer	customer.address_id = address.address_id

Linked To

Table	Join
city	address.city_id = city.city_id



3.3 category (dimension table)

Name	Data Type	Description
 category_id	SERIAL	Number assigned to category
name	CHARACTER VARYING(25)	Name of category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked From

Table	Join
film_category	film_category.category_id = category.category_id

3.4 city (dimension table)

Name	Data Type	Description
 city_id	SERIAL	Number assigned to city
city	CHARACTER VARYING(50)	Name of city
 country_id	SMALL INT	Number assigned to country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update


Linked From

Table	Join
address	address.city_id = city.city_id

Linked To

Table	Join
country	city.country_id = country.country_id



3.5 country (dimension table)

Name	Data Type	Description
 country_id	SERIAL	Number assigned to country
country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked From

Table	Join
city	city.country_id = country.country_id

3.6 customer (dimension table)

Name	Data Type	Description
 customer_id	SERIAL	Number assigned to customer
store_id	SMALL INT	Number assigned to store
first_name	CHARACTER VARYING(45)	First name of customer
last_name	CHARACTER VARYING(45)	Last name of customer
email	CHARACTER VARYING(50)	Email address of customer
 address_id	SMALL INT	Address of customer
activebool	BOOLEAN	Is customer active?
create_date	DATE	Date entry created
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update
active	INTEGER	Is customer active?



Linked From

Table	Join
payment	payment.customer_id = customer.customer_id
rental	rental.customer_id = customer.customer_id

Linked To

Table	Join
address	customer.address_id = address.address_id

3.7 film (dimension table)

Name	Data Type	Description
 film_id	SERIAL	Number assigned to film
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
release_year	YEAR	Release year of film
 language_id	SMALL INT	Language of film
rental_duration	SMALL INT	How long the film was rented for?
rental_rate	NNUMERIC (4,2)	Rental rate of film
Length	SMALL INT	How long the film is?



Linked From

Table	Join
film_actor	film.actor.film_id = film.film_id
film_category	film_category..film_id = film.film_id
inventory	Inventory_film_id = film.film_id

Linked To

Table	Join
language	film.language_id = language.language_id



3.8 film_actor (fact table)

Name	Data Type	Description
 actor_id	SMALL INT	Number assigned to actor
 film_id	SMALL INT	Number assigned to film
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date of most recent entry update

Linked To

Table	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id



3.9 film_category (fact table)

Name	Data Type	Description
 film_id	SMALL INT	Number assigned to film
 category_id	SMALL INT	Number assigned to category of film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked To

Table	Join
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id

3.10 inventory (dimension table)

Name	Data Type	Description
 inventory_id	SERIAL	Number assigned to inventory
 film_id	SMALL INT	Number assigned to film
store_id	SMALL INT	Number assigned to store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update


Linked From

Table	Join
rental	rental.inventory_id = inventory.inventory_id

Linked To

Table	Join
film	inventory.film_id = film.film_id





3.11 language (dimension table)

Name	Data Type	Description
 language_id	SERIAL	Number assigned to id
name	CHARACTER VARYING(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked From

Table	Join
film	film.language_id = language.language_id




3.12 payment (fact table)

Columns	Data Type	Description
 payment_id	SERIAL	Number assigned to payment
 customer_id	SMALL INT	Number assigned to customer
 staff_id	SMALL INT	Number assigned to employee
 rental_id	INTEGER	Number assigned to rental
amount	NUMERIC (5,2)	Amount of payment
payment_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date of payment

Linked To

Table	Join
customer	payment.customer_id = customer.customer_id
rental	payment.rental_id = rental.rental_id
staff	payment.staff_id = staff.staff_id

3.13 rental (dimension table)

Name	Data Type	Description
 rental_id	SERIAL	Number assigned to rental
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental
 inventory_id	INTEGER	Number assigned to inventory
 customer_id	SMALL INT	Number assigned to customer
return_date	NUMERIC (5,2)	Date of return
staff_id	SMALL INT	Number assigned to employee
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update



Linked From

Table	Join
payment	payment.rental_id = rental.rental_id

Linked To

Table	Join
customer	rental.customer_id = customer.customer_id
inventory	rental.inventory_id = inventory.inventory_id
staff	rental.staff_id = staff.staff_id

3.14 staff (dimension table)

Name	Data Type	Description
 staff_id	SERIAL	Number assigned to staff
first_name	CHARACTER VARYING(45)	First name of employee
last_name	CHARACTER VARYING(45)	Last name of employee
 address_id	SMALL INT	Address of employee
email	CHARACTER VARYING(50)	Email of employee
store_id	SMALL INT	Number assigned to store
active	BOOLEAN	If employee is employed?
username	CHARACTER VARYING(16)	Username for employee
password	CHARACTER VARYING(40)	Password for employee
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update
picture	BYTEA	Picture of employee



Linked From

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.store_id = staff.store_id

Linked To

Table	Join
address	staff.address_id = address.address_id

3.15 store (fact table)

Name	Data Type	Description
 store_id	SERIAL	Number assigned to store
manager_staff_id	SMALL INT	Number assigned to manager
 address_id	SMALL INT	Number assigned to address of store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date of most recent entry update

Linked To

Table	Join
staff	store.store_id = staff.store_id
address	store.address_id = address.address_id