

ROCKBUSTER STEALTH LLC

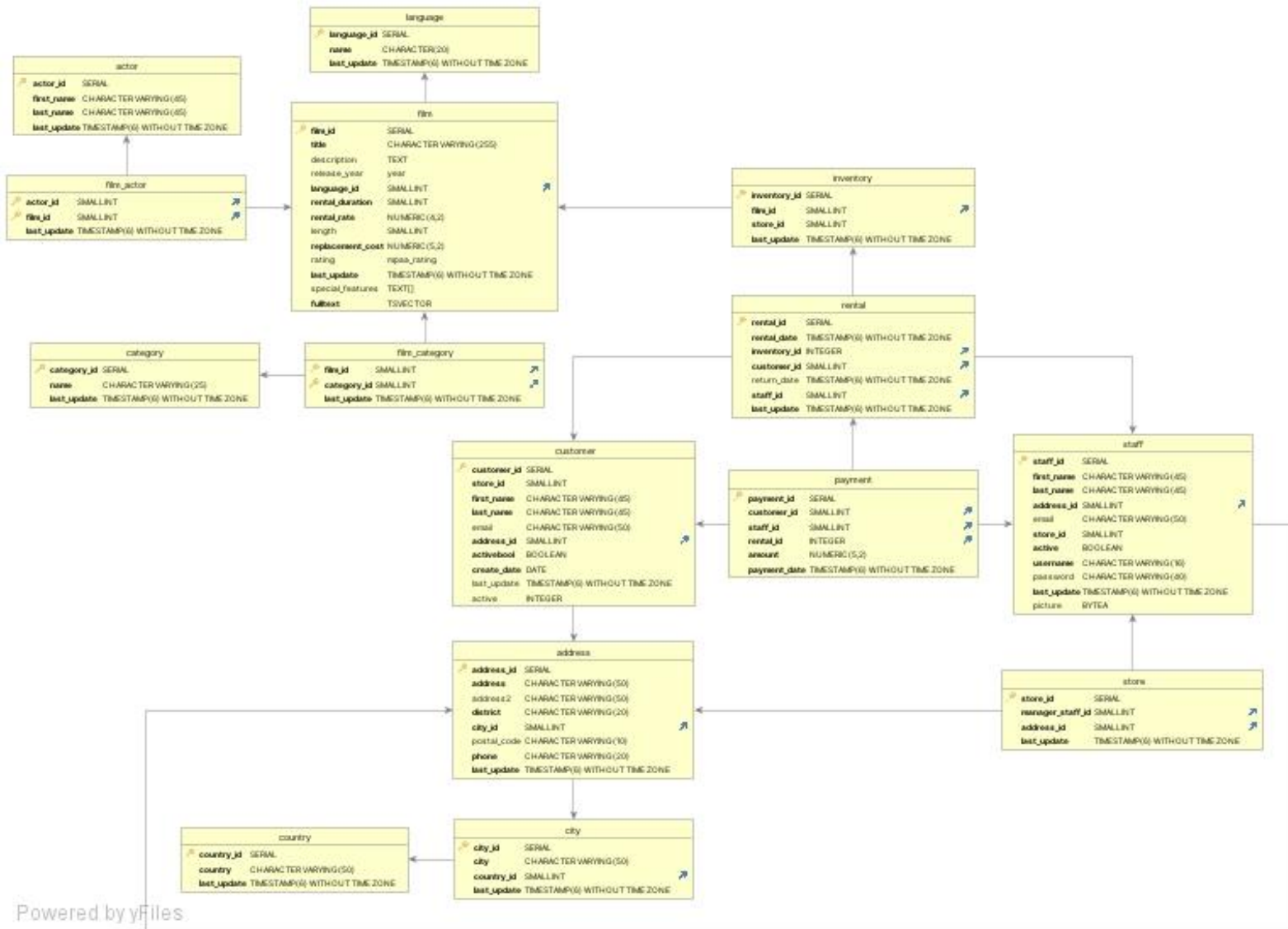
DATA DICTIONARY



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ENTITY RELATIONSHIP DIAGRAM



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TABLES

FACT TABLES

payment

Key Type	Column Name	Data Type	Nullable	Description
PK	payment_id	integer(32)	NN	Primary key/unique identifier
FK	customer_id	smallint(16)	NN	Foreign key/unique identifier – customer
FK	staff_id	smallint(16)	NN	Foreign key/unique identifier – staff
FK	rental_id	integer(32)	NN	Foreign key/unique identifier – rental
	amount	numeric(5,2)	NN	Amount paid by customer
	payment_date	timestamp without time zone(6)	NN	Date and time of payment

Links to

Table	Join	Description
rental	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id
staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
customer	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

Unique Keys

Column	Description
payment_id	Primary key/unique identifier
customer_id	Foreign key/unique identifier – customer
staff_id	Foreign key/unique identifier – staff
rental_id	Foreign key/unique identifier – rental

rental

Key Type	Column Name	Data Type	Nullable	Description
PK	rental_id	integer(32)	NN	Primary key/unique identifier
	rental_date	timestamp without time zone(6)	NN	Date and time of film rental
FK	inventory_id	integer(32)	NN	Foreign key/unique identifier – inventory
FK	customer_id	smallint(16)	NN	Foreign key/unique identifier – customer
	return_date	timestamp without time zone(6)	NULL	Date and time of film return
FK	staff_id	smallint(16)	NN	Foreign key/unique identifier – staff
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
staff	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
customer	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

Links from

Table	Join	Description
payment	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id

Unique keys

Column	Description
rental_id	Primary key/unique identifier
customer_id	Foreign key/unique identifier – customer
staff_id	Foreign key/unique identifier – staff
inventory_id	Foreign key/unique identifier – inventory

DIMENSION TABLES

actor

Key Type	Column Name	Data Type	Nullable	Description
PK	actor_id	integer(32)	NN	Primary key/unique identifier
	first_name	character varying(45)	NN	Actor first name
	last_name	character varying(45)	NN	Actor last name
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
film_actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id

Unique keys

Column	Description
actor_id	Primary key/unique identifier

address

Key Type	Column Name	Data Type	Nullable	Description
PK	address_id	integer(32)	NN	Primary key/unique identifier
	address	character varying(50)	NN	First line of address
	address2	character varying(50)	NULL	Second line of address, if applicable
	district	character varying(20)	NN	District, if applicable
FK	city_id	smallint(16)	NN	Foreign key/unique identifier – city
	postal_code	character varying(10)	NULL	Postal code of address
	phone	character varying(20)	NN	Phone number
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
city	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

Links from

Table	Join	Description
customer	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id
staff	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id
store	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

Unique keys

Column	Description
address_id	Primary key/unique identifier
city_id	Foreign key/unique identifier – city

category

Key Type	Column Name	Data Type	Nullable	Description
PK	category_id	integer(32)	NN	Primary key/unique identifier
	name	character varying(25)	NN	Name of film category
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links from

Table	Join	Description
film_category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

Unique keys

Column	Description
category_id	Primary key/unique identifier

city

Key Type	Column Name	Data Type	Nullable	Description
PK	city_id	integer(32)	NN	Primary key/unique identifier
	city	character varying(50)	NN	Name of city
FK	country_id	smallint(16)	NN	Foreign key/unique identifier – country
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
country	city.country_id = country.country_id	Foreign key constraint referencing country.country_id

Links from

Table	Join	Description
address	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

Unique keys

Column	Description
city_id	Primary key/unique identifier
country_id	Foreign key/unique identifier – country

country

Key Type	Column Name	Data Type	Nullable	Description
PK	country_id	integer(32)	NN	Primary key/unique identifier
	country	character varying(50)	NN	Name of country
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links from

Table	Join	Description
city	city.country_id = country.country_id	Foreign key constraint referencing country.country_id

Unique keys

Column	Description
country_id	Primary key/unique identifier

customer

Key Type	Column Name	Data Type	Nullable	Description
PK	customer_id	integer(32)	NN	Primary key/unique identifier
	store_id	smallint(16)	NN	Foreign key/unique identifier – store
	first_name	character varying(45)	NN	First name of customer
	last_name	character varying(45)	NN	Last name of customer
	email	character varying(50)	NULL	Email address of customer
FK	address_id	smallint(16)	NN	Foreign key/unique identifier – address
	activebool	boolean	NN	Active customer – true or false
	create_date	date(3)	NN	Date customer info entered into system
	last_update	timestamp without time zone(6)	NULL	Date and time of last update
	active	integer(32)	NULL	Active customer – true/ false, 1 or 0 format

Links to

Table	Join	Description
address	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id

Links from

Table	Join	Description
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

Unique keys

Column	Description
customer_id	Primary key/unique identifier
address_id	Foreign key/unique identifier – address

film

Key Type	Column Name	Data Type	Nullable	Description
PK	film_id	integer(32)	NN	Primary key/unique identifier
	title	character varying(255)	NN	Film title
	description	text	NULL	Film description
	release_year	integer(32)	NULL	Film release year
FK	language_id	smallint(16)	NN	Foreign key/unique identifier – language
	rental_duration	smallint(16)	NN	Duration of rental allowed
	rental_rate	numeric(4,2)	NN	Rate at which film can be rented
	length	smallint(16)	NULL	Film length
	replacement_cost	numeric(5,2)	NN	Cost to replace film
	rating	USER-DEFINED	NULL	MPAA rating of film
	last_update	timestamp without time zone(6)	NN	Date and time of last update
	special_features	ARRAY	NULL	Array of film's special features
	fulltext	tsvector	NN	Array of lemmemes (key words)pertaining to the film

Links to

Table	Join	Description
language	film.language_id = language.language_id	Foreign key constraint referencing language.language_id

Links from

Table	Join	Description
film_actor	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id
inventory	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id
film_category	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id

Unique keys

Column	Description
film_id	Primary key/unique identifier
language_id	Foreign key/unique identifier – language

film_actor

Key Type	Column Name	Data Type	Nullable	Description
FK,PK	actor_id	smallint(16)	NN	Foreign key/unique identifier – actor
FK,PK	film_id	smallint(16)	NN	Foreign key/unique identifier – film
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id
film	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id

Unique keys

Column	Description
actor_id	Foreign key/unique identifier – actor
film_id	Foreign key/unique identifier – film

film_category

Key Type	Column Name	Data Type	Nullable	Description
FK,PK	film_id	smallint(16)	NN	Foreign key/unique identifier – actor
FK,PK	category_id	smallint(16)	NN	Foreign key/unique identifier – film
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
film	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id
category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

Unique keys

Column	Description
film_id	Foreign key/unique identifier – film
category_id	Foreign key/unique identifier – category

inventory

Key Type	Column Name	Data Type	Nullable	Description
PK	inventory_id	integer(32)	NN	Primary key/unique identifier
FK	film_id	smallint(16)	NN	Foreign key/unique identifier – film
	store_id	smallint(16)	NN	Foreign key/unique identifier – store
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id

Links from

Column	Join	Description
rental	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id

Unique keys

Column	Description
inventory_id	Primary key/unique identifier
film_id	Foreign key/unique identifier – film

language

Key Type	Column Name	Data Type	Nullable	Description
PK	language_id	integer(32)	NN	Primary key/unique identifier
	name	character(20)	NN	Name of language
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links from

Column	Join	Description
film	film.language_id = language.language_id	Foreign key constraint referencing language.language_id

Unique keys

Column	Description
language_id	Primary key/unique identifier

staff

Key Type	Column Name	Data Type	Nullable	Description
PK	staff_id	integer(32)	NN	Primary key/unique identifier
	first_name	character varying(45)	NN	Staff member first name
	last_name	character varying(45)	NN	Staff member last name
FK	address_id	smallint(16)	NN	Foreign key/unique identifier – address
	email	character varying(50)	NULL	Staff member email address
	store_id	smallint(16)	NN	Foreign key/unique identifier – store
	active	boolean	NN	Active staff member – true or false
	username	character varying(16)	NN	Staff member system username
	password	character varying(40)	NULL	Staff member system password
	last_update	timestamp without time zone(6)	NN	Date and time of last update
	picture	bytea	NULL	Staff member picture

Links to

Table	Join	Description
address	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id

Links from

Table	Join	Description
rental	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
payment	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
store	store.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

Unique keys

Column	Description
staff_id	Primary key/unique identifier
address_id	Foreign key/unique identifier – address

store

Key Type	Column Name	Data Type	Nullable	Description
PK	store_id	integer(32)	NN	Primary key/unique identifier
FK	manager_staff_id	smallint(16)	NN	Unique identifier of manager
FK	address_id	smallint(16)	NN	Foreign key/unique identifier – address
	last_update	timestamp without time zone(6)	NN	Date and time of last update

Links to

Table	Join	Description
staff	store.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
address	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

Unique keys

Column	Description
store_id	Primary key/unique identifier
manager_staff_id	Unique identifier – manager of store
address_id	Foreign key/unique identifier – address