

ROCKBUSTER STEALTH LLC

DATA DICTIONARY

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1. Description

This is the data documentation for Rockbuster Stealth's database hosted on SQL. The database contains data on movie rentals on the Rockbuster platform. It covers information on rentals, payments, inventory, film, customer, staff, addresses etc.

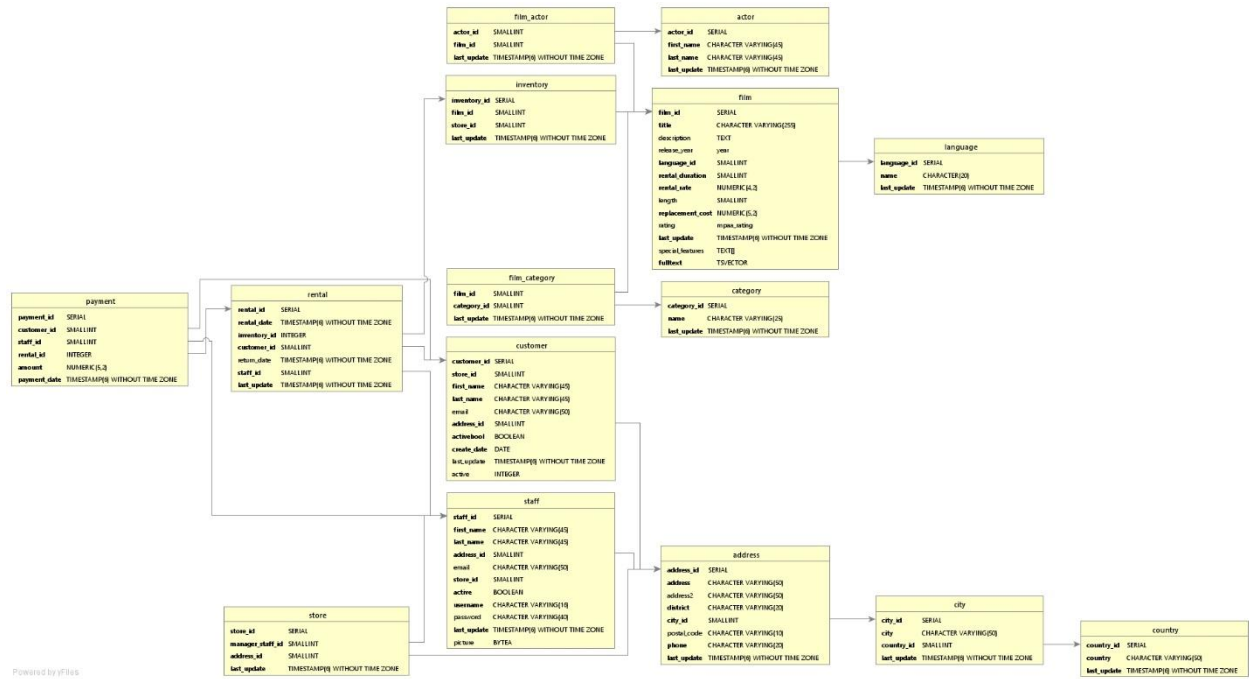
The database is available for download here: [Rockbuster data](#)

2. Legend

PK Primary Key

FK Foreign Key

3. Entity Relationship Diagram (ERD)



4. Fact Tables

4.1 payment

Displays payment amounts and dates using unique identifiers for staff, customers, and rentals.

Key	Column	Data type	Description
PK	payment_id	SERIAL	Unique ID for each payment
FK	customer_id	SMALLINT	Unique ID for each customer
FK	staff_id	SMALLINT	Unique ID for each staff
FK	rental_id	INTEGER	Unique ID for each rental
	amount	NUMERIC[5,2]	Payment amount
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time payment was made

Links to:

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

4.2 rental

Lookup table for information on each rental activity.

Key	Columns	Data type	Description
PK	rental_id	SERIAL	Unique ID for each rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of movie rental
FK	inventory_id	INTEGER	Unique ID for each inventory
FK	customer_id	SMALLINT	Unique ID for each customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of movie rental return
FK	staff_id	SMALLINT	Unique ID for each staff member
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

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

Linked from:

Table	Join
payment	rental.rental_id = payment.rental_id

5. Dimension Tables

5.1 Inventory

Identification for all of Rocckbuster's inventory.

Key	Column	Data type	Description
PK	inventory_id	SERIAL	Unique ID for each inventory
FK	film_id	SMALLINT	Unique ID for each movie
FK	store_id	SMALLINT	Unique ID for each store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

Table	Join
film	inventory.film_id = film.film_id
store	inventory.store_id = store.store_id

Linked from:

Table	Join
rental	inventory.inventory_id = rental.inventory_id

5.2 store

Unique identifiers for stores, store staff managers, and store addresses.

Key	Column	Data type	Description
PK	store_id	SERIAL	Unique ID for each store
FK	manager_staff_id	SMALLINT	Unique ID for each staff manager
FK	address_id	SMALLINT	Unique ID for address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

Table	Join
staff	store.manager_staff_id = staff.staff_id
address	store.address_id = address.address_id

Linked from:

Table	Join
inventory	store.store_id = inventory.store_id
staff	store.store_id = staff.store_id

5.3 film

Detailed information on each movie in the Rockbuster collection, including title, description, duration, ratings, rental cost, and more.

Key	Column	Data type	Description
PK	film_id	SERIAL	Unique ID for each movie
	title	CHARACTER VARYING[255]	Name of movie
	description	TEXT	Short movie synopsis
	release_year	year	Movie release year
FK	language_id	SMALLINT	Unique ID for language spoken in movie
	rental_duration	SMALLINT	The number of days the movie was rented for
	rental_rate	NUMERIC[4,2]	The rental cost
	length	SMALLINT	The duration of the movie
	replacement_cost	NUMERIC[5,2]	The cost to replace the movie
	rating	mpaa_rating	The movie's mpaa rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	special_features	TEXT[]	Features include: trailers, commentaries, behind the scenes
	fulltext	TSVECTOR	Count of specific keywords in each movie

Links to:

Table	Join
language	film.language_id = language.language_id

Linked from:

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

5.4 film_category

Contains unique identifiers that connects the category and film tables.

Key	Column	Data type	Description
FK	film_id	SMALLINT	Unique ID for each movie
FK	category_id	SMALLINT	Unique ID for each movie genre
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

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

5.5 category

List of movie genres.

Key	Column	Data type	Description
PK	category_id	SERIAL	Unique movie genre identifier
	name	CHARACTER VARYING[25]	Movie genre
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of last update

Linked from:

Table	Key
film_category	category.category_id = film_category.category_id

5.6 film_actor

Contains unique identifiers for the actor and film tables.

Key	Column	Data type	Description
FK	actor_id	SMALLINT	Unique ID for each actor
FK	film_id	SMALLINT	Unique ID for each movie
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

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

5.7 actor

Name of actors.

Key	Column	Data type	Description
PK	actor_id	SERIAL	Unique ID for each actor
	first_name	CHARACTER VARYING[45]	Actor first name
	last_name	CHARACTER VARYING[45]	Actor last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from:

Table	Join
film_actor	actor.actor_id = film_actor.actor_id

5.8 language

List of languages spoken in movie.

Key	Column	Data type	Description
PK	language_id	SERIAL	Unique ID for movie language
	name	CHARACTER[20]	Movie language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from:

Table	Join
film	language.language_id = film.language_id

5.9 customer

Customer identification and contact information.

Key	Column	Data type	Description
PK	customer_id	SERIAL	Unique ID for each customer
	store_id	SMALLINT	Unique ID for each store
	first_name	CHARACTER VARYING [45]	Customer first name
	last_name	CHARACTER VARYING [45]	Customer last name
	email	CHARACTER VARYING [45]	Customer email address
FK	address_id	SMALLINT	Unique ID for address
	activebool	BOOLEAN	True or false value if customer is active
	create_date	DATE	Date customer account was created
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of last update
	active	INTEGER	Number to determine if customer is active

Links to:

Table	Join
address	customer.address_id = address.address_id

Linked from:

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

5.10 staff

Identification and contact information for Rockbuster Stealth staff members.

Key	Column	Data type	Description
PK	staff_id	SERIAL	Unique ID for each staff
	first_name	CHARACTER VARYING[45]	Staff first name
	last_name	CHARACTER VARYING[45]	Staff last name
FK	address_id	SMALLINT	Unique ID for address
	email	CHARACTER VARYING[50]	Staff email address
FK	store_id	SMALLINT	Unique ID for each store
	active	BOOLEAN	True or False if staff is still active
	username	CHARACTER VARYING[16]	Username for staff account
	password	CHARACTER VARYING[40]	Password for staff account
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	picture	BYTEA	Staff picture

Links to:

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

Linked from:

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

5.11 address

Street address information for customers, staff members, and stores.

Key	Column	Data type	Description
PK	address_id	SERIAL	Unique ID for address
	address	CHARACTER VARYING[50]	First street address line
	address2	CHARACTER VARYING[50]	Second street address line
	district	CHARACTER VARYING[20]	Name of address district
FK	city_id	SMALLINT	Unique ID for each city
	postal_code	CHARACTER VARYING[10]	Address postal code
	phone	CHARACTER VARYING[20]	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

Table	Join
city	address.city_id = city.city_id

Linked from:

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

5.12 city

Name of cities for the addresses in the address table

Key	Column	Data type	Description
PK	city_id	SERIAL	Unique ID for city
	city	CHARACTER VARYING[50]	Name of city
FK	country_id	SMALLINT	Unique ID for each country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to:

Table	Join
country	city.country_id = country.country_id

Linked from:

Table	Join
address	city.city_id = address.city_id

5.13 country

Name of countries for the cities in the city table

Key	Column	Data type	Description
PK	country_id	SERIAL	Unique ID for each country
	country	CHARACTER VARYING[50]	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from:

Table	Join
city	country.country_id = city.country_id