

ROCKBUSTER STEALTH


Data Dictionary

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Legend

 Primary key

 Foreign key

 Primary key relation

 Foreign key relation

Rockbuster

This is a sample documentation -**Rockbuster**- PostgreSQL Server sample database.

The Rockbuster database supports information about Rockbuster's film inventory including customers, and payments, among other things.

Rockbuster Stealth LLC is a movie rental company.

Entity-Relationship Diagram (ERD)

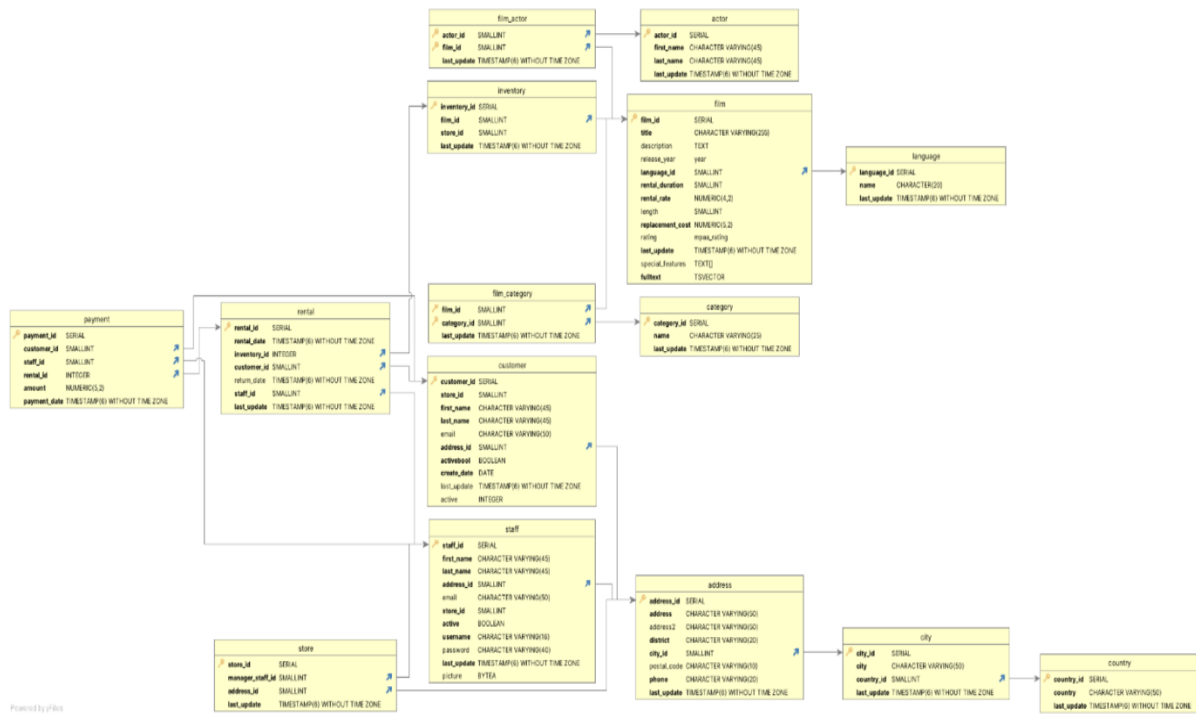









Figure 1: Rockbuster Entity Relationship Diagram (ERD)

Fact Table





Rental Table

	Columns	Data Type	Description
	rental_id	SERIAL	Unique ID number used for primary key for movie rentals.
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of movie rental
	inventory_id	INTEGER	Unique movie inventory ID
	customer_id	SMALLINT	Unique customer ID
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date & time of latest to return product.
	staff_id	SMALLINT	Unique Staff ID
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update of product status

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

Payment Table




	Columns	Data Type	Description
	payment_id	SERIAL	Primary Key for Payment Records
	customer_id	SMALLINT	Unique Customer ID number
	staff_id	SMALLINT	Unique staff identifier
	rental_id	INTEGER	Unique Rental Identifier
	amount	NUMERIC(5,2)	Price of payment (in \$)
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Year, day, month, and time of payment

Links to



	Table	Join
➤	rental	payment.rental_id = rental.rental_id
➤	customer	payment_customer_id = customer.customer_id
➤	staff	staff.rental_customer_id = customer.customer_id

Dimension Table



Store Table

	Columns	Data Type	Description
	store_id	SERIAL	Unique ID number for each store
	manager_staff_id	SMALLINT	Unique (Store) Manager ID
	address_id	SMALLINT	Unique (Store) Address ID
	last_update_id	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update of store



Links to

	Table	Join
	address	store.address_id = address.address_id
	stuff	store.address_id = stuff.address_id



Film Actor table

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique actor ID
	film_id	SMALLINT	Unique Film ID
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and Date of last update

Links to

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


Inventory Table

	Columns	Data Type	Description
	inventory_id	SERIAL	Unique inventory ID
	film_id	SMALLINT	Unique film ID
	store_id	SMALLINT	Unique store ID
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and Date of last update

Links to

	Table	Join
➤	rental	inventory.film_id = film.film_id
➤	film	inventory.film_id = film.film_id



Film Category table

	Columns	Data Type	Description
	film_id	SMALLINT	Unique film ID
	category_id	SMALLINT	Unique category ID
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and Date of last update

Links to

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

Customer table

	Columns	Data Type	Description
	customer_id	SERIAL	Unique customer ID
	store_id	SMALLINT	Unique store ID
	first_name	CHARACTER VARYING(45)	Customer first name
	last_name	CHARACTER VARYING(45)	Customer last name
	email	CHARACTER VARYING(50)	Customer Email
	address_id	SMALLINT	Unique address ID
	activebool	BOOLEAN	True or False on activity
	create_date	DATE	Date customer account was created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update
	active	INTEGER	1 or 0 to indicate (customer) activity

Links to

	Table	Join
➤	address	customer.address_id = address.address_id

Linked from

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

Staff table

	Columns	Data Type	Description
🔑	staff_id	SERIAL	Unique ID
	first_name	CHARACTER VARYING(45)	Staff First name
	last_name	CHARACTER VARYING(45)	Staff last name
🔑	address_id	SMALLINT	Unique Address ID
	email	CHARACTER VARYING(50)	Staff email
	store_id	SMALLINT	Unique store ID
	active	BOOLEAN	True or false if staff still active
	username	CHARACTER VARYING(16)	Staff username
	password	CHARACTER VARYING(40)	Staff password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update
	picture	BYTEA	Binary data of picture


Links to

	Table	Join
➤	address	staff.address_id = address.address_id


Linked from

	Table	Join
➤	rental	rental.staff_id = staff.staff_id
➤	payment	payment.staff_id = staff.staff_id
➤	store	store.address_id = staff.address_id



Actor table

	Columns	Data Type	Description
	actor_id	SERIAL	Unique actor ID
	First_name	CHARACTER VARYING(45)	Actor first name
	last_name	CHARACTER VARYING(45)	Actor last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update


Links to

	Table	Join
	film_actor	film_actor.actor_id = actor.actor_id


Film table

	Columns	Data Type	Description
	film_id	SERIAL	Unique film ID
	title	CHARACTER VARYING(255)	Film title name
	description	TEXT	Film full description
	release_year	year	Year of film release
	language_id	SMALLINT	Unique language ID
	rental_duration	SMALLINT	Film length time ID
	rental_rate	NUMERIC(4,2)	Rental usage rate
	length	SMALLINT	Film length in minutes
	replacement_cost	NUMERIC(5,2)	Price of film replacement
	rating	mpaa_rating	Film mpaa rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	Special features	TEXT()	Different film features included with film
	fulltext	TSVECTOR	Key description text of film and count of word.

Links to

	Table	Join
	language	film.language_id = language.language_id

Linked from

	Table	Join
	film_actor	film_actor_id = film.film_id

←	film_category	film_category_id = film.film_id
←	inventory	inventory.film_id = film.film_id

Category table

	Columns	Data Type	Description
🔑	category_id	SERIAL	Unique category ID
	name	CHARACTER VARYING(25)	Name of type of category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

	Table	Join
➤	film_category	film_category.category_id = category.category_id

Address Table

	Columns	Data Type	Description
🔑	address_id	SERIAL	Unique address ID
	address	CHARACTER VARYING (50)	Full Address
	Address 2	CHARACTER VARYING (50)	Full Backup Address
	district	CHARACTER VARYING (20)	Full district name
🔑	city_id	SMALLINT	Unique city code
	postal-code	CHARACTER VARYING (10)	Full 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
←	store	store.address_id = address.address_id
←	customer	customer.address_id = address.address_id
←	staff	staff.address_id = address.address_id



Language Table

	Columns	Data Type	Description
	language_id	SERIAL	Unique language ID
	name	CHARACTER(20)	Specific language of origin
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update


Links to

	Table	Join
	film	film.language_id = language.language_id


City table

	Columns	Data Type	Description
	city	SERIAL	Full name of city
	city_id	CHARACTER VARYING(50)	Unique city ID
	country_id	SMALLINT	Unique country ID
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update


Links to

	Table	Join
	country	city.country_id = country.country_id


Linked from

	Table	Join
	address	address.city_id = city.city_id

Country Table

	Columns	Data Type	Description
	country_id	SERIAL	Unique country ID
	country	CHARACTER VARYING(50)	Full name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of last update

Linked from

	Table	Join
	city	city.country_id = country.country_id

