

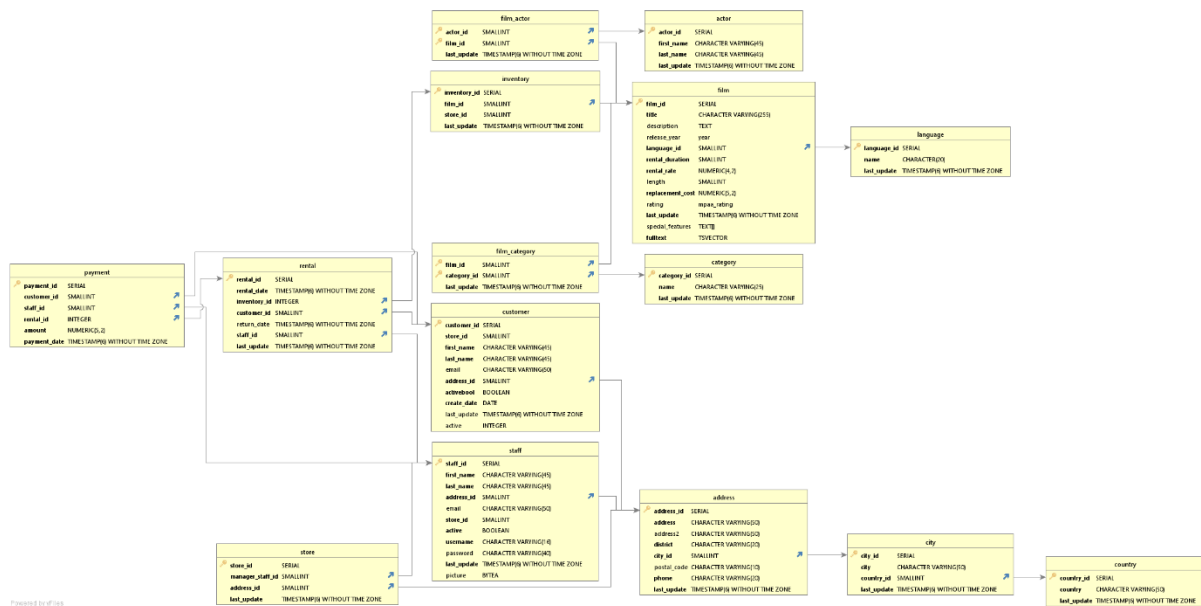
# ROCKBUSTER DATA DICTIONARY

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MASKO

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## ENTITY RELATIONSHIP DIAGRAM



## LEGEND

- primary key
- foreign key
- link to another table
- link from another table

## DATA TABLES





### PAYMENT

	Column	Data Type	Description
	payment_id	serial	Serial number of the payment (key)
	customer_id	int2	Customer id who made the payment
	staff_id	int2	Staff id who received the payment
	rental_id	int4	Rental id for which the payment was made
	amount	numeric	The amount of the payment
	payment_date	timestamp	Time and date of the payment




### 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


## RENTAL

	Column	Data Type	Description
	rental_id	serial	Serial number of the rental (key)
	rental_date	timestamp	Time and date of the rental
	inventory_id	int4	Inventory id of the item rented
	customer_id	int2	Customer id of the customer who did the rental
	return_date	timestamp	Time and date of the return
	staff_id	int2	ID of the staff who rented out the movie.
	last_update	timestamp	Time and date of the last update of the rental record.


## 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


## LINKS FROM

	Table	Join
	Payment	Payment.rental_id = Rental.rental_id



## ACTOR

	Column	Data Type	Description
	actor_id	serial	Number of the actor (key)
	first_name	varchar	First name of the actor
	last_name	varchar	Last name of the actor
	last_update	timestamp	Time and date of the last update of the actor information


## LINKS FROM

	Table	Join
	Film_actor	Film_actor.actor_id = Actor.actor_id




## ADDRESS

	Column	Data Type	Description
	address_id	serial	Serial number of the address (key)
	address	varchar	Address details
	address2	varchar	Address details, second line, if needed
	district	varchar	District of the address location
	city_id	int2	City id of the address location
	postal_code	varchar	Postal code of the address location
	phone	varchar	Phone number of the address location
	last_update	timestamp	Time and data of the last update of the address location


## LINKS TO

	Table	Join
	City	Address.address_id = City.address_id


## LINKS FROM

	Table	Join
	Customer	Customer.address_id = Address.address_id
	Staff	Staff.address_id = Address.address_id
	Store	Store.address_id = Address.address_id



## CATEGORY

	Column	Data Type	Description
	category_id	serial	Serial number of the film category (key)
	name	varchar	Name of the film category
	last_update	timestamp	Time and date of the last update of the category information


## LINKS FROM

	Table	Join
	Film_category	Film_category.category_id = Category.category_id


## CITY

	Column	Data Type	Description
	city_id	serial	Serial number of the city (key)
	city	varchar	Name of the city
	country_id	int2	Country id in which the city is found
	last_update	timestamp	Time and date of the last update of the city information


## LINKS TO

	Table	Join
	Country	City.city_id = Country.city_id

## LINKS FROM

	Table	Join
	Address	Address.city_id = City.city_id



## COUNTRY

	Column	Data Type	Description
	country_id	serial	Serial number of the country (key)
	country	varchar	Name of the country
	last_update	timestamp	Time and date of the last update of the country information


## LINKS FROM

	Table	Join
	City	City.country_id = Country.country_id



## CUSTOMER

	Column	Data Type	Description
	customer_id	serial	Serial number of the customer (key)
	store_id	int2	Store id, in which the customer is making rentals
	first_name	varchar	First name of the customer
	last_name	varchar	Last name of the customer
	email	varchar	Email of the customer
	address_id	int2	Address id of the customer
	activebool	bool	Indicates if the customer is an active customer using Boolean
	create_date	date	Date of creation the customer data
	last_update	timestamp	Time and date of the last update of the country information
	active	int4	Indicates if the customer is an active customer using 0 and 1 integers



## LINKS TO

	Table	Join
	Address	Customer.address_id = Address.address_id


## LINKS FROM

	Table	Join
	Payment	Payment.customer_id = Customer.customer_id
	Rental	Rental.customer_id = Customer.customer_id




## FILM

	Column	Data Type	Description
	film_id	serial	Serial number of the film (key)
	title	varchar	Title of the film
	description	text	Description of the film
	release_year	year	Year in which the film was release
	language_id	int2	Language id of the film
	rental_duration	int2	Rental duration of the film
	rental_rate	numeric	Rental rate of the film
	length	int2	Length of the film (in minutes)
	replacement_cost	numeric	Replacement cost of the film
	rating	mpaa_rating	MPAA rating of the film
	last_update	timestamp	Time and date of the last update of the film information
	special_features	_text	Special features of the film
	fulltext	tsvector	Key words and number of their appearance in the film



## LINKS TO

	Table	Join
	Language	Film.language_id = Language.language_id



## LINKS FROM

	Table	Join
	Film_actor	Film_actor.film_id = Film.film_id
	Inventory	Inventory.film_id = Film.film_id
	Film_category	Film_category.film_id = Film.film_id



## FILM\_ACTOR

	Column	Data Type	Description
	actor_id	int2	Actor id (key), links films with actors
	film_id	int2	Film id (key), links actors who play in the given film
	last_update	timestamp	Time and date of the last update of the film-actor information



## LINKS TO

	Table	Join
	Actor	Film_actor.actor_id = Actor.actor_id
	Film	Film_actor.film_id = Film.film_id



## FILM\_CATEGORY

	Column	Data Type	Description
	film_id	int2	Film id (key), links films with category
	category_id	int2	Category id (key), links category to a given film
	last_update	timestamp	Time and date of the last update of the film-category information


## LINKS TO

	Table	Join
	Film	Film_category.film_id = Film.film_id
	Category	Film_category.category_id = Category.category_id


## INVENTORY

	Column	Data Type	Description
	inventory_id	serial	Serial number of the inventory (key) - number of the e.g., DVD in the store
	film_id	int2	Film id of the DVD
	store_id	int2	Store id of the DVD (the location of the DVD)
	last_update	timestamp	Time and date of the last update of the inventory information


## LINKS TO

	Table	Join
	Film	Inventory.film_id = Film.film_id


## LINKS FROM

	Table	Join
	Rental	Rental.inventory_id = Inventory.inventory_id

## LANGUAGE



	Column	Data Type	Description
	language_id	serial	Serial number of the language (key)
	name	bpchar	Name of the language
	last_update	timestamp	Time and date of the last update of the language information

## LINKS FROM


	Table	Join
	Film	Film.language_id = Language.language_id






## STAFF

	Column	Data Type	Description
	staff_id	serial	Serial number of the staff member
	first_name	varchar	First name of the staff member
	last_name	varchar	Last name of the staff member
	address_id	int2	Id of the staff member's address
	email	varchar	Email of the staff member
	store_id	int2	Id of the store where the staff works
	active	bool	Indication if the staff is active or not
	username	varchar	Username of the staff member
	password	varchar	Password of the staff member
	last_update	timestamp	Time and date of the last update of the staff information
	picture	bytea	Picture of the staff




## LINKS TO

	Table	Join
	Address	Staff.address_id = Address.address_id



## LINKS FROM

	Table	Join
	Rental	Rental.staff_id = Staff.staff_id
	Payment	Payment.staff_id = Staff.staff_id
	Store	Store.manager_staff_id = Store.staff_id

## STORE

	Column	Data Type	Description
	store_id	serial	Serial number of the store
	manager_staff_id	int2	Id of the manager of the staff
	address_id	int2	Id of the store address
	last_update	timestamp	Time and date of the last update of the store information

## LINKS TO

	Table	Join
	Staff	Store.manager_staff_id = Staff.staff_id
	Address	Store.address_id = Address.address_id