

# ROCKBUSTER DATA DICTIONARY



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# 1. Entity Relationship Diagram (ERD)







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## 2. Tables

### 2.1. Fact Tables





#### Payment

	Columns	Data Type	Description
	payment_id	SERIAL	Id number of the payment record
	customer_id	SMALLINT	Identification of the customer
	staff_id	SMALLINT	Identification of the staff member who did the rental
	rental_id	INTEGER	Id number of the rental
	amount	NUMERIC	Price
	payment_date	TIMESTAMP	Date and time of the last update of the record

#### Links to

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

#### Rental

	Columns	Data Type	Description
	rental_id	SERIAL	Id number of the rental
	rental_date	TIMESTAMP	Date and time of the rental
	inventory_id	INTEGER	Identification of the product
	customer_id	SMALLINT	Identification of the customer
	return_date	TIMESTAMP	Date and time of the return
	staff_id	TIMESTAMP	Identification of the staff member who did the rental
	last-update	TIMESTAMP	Date and time of the last update of the 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

## 2.2. Dimension Tables



### Actor

	Columns	Data Type	Description
	actor_id	SERIAL	Actor identification nr
	first_name	CHARVAR45	Actor first name
	last_name	CHARVAR45	Actor last name
	last_update	TIMESTAMP	Date and time of the last update of the record

### Links from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

### Address

	Columns	Data Type	Description
	address_id	SERIAL	Address identification nr
	address	CHARVAR50	Address
	address2	CHARVAR50	Backup address
	district	CHARVAR20	District name
	city_id	SMALLINT	City Code
	postal_code	CHARVAR10	Postal Code
	phone	CHARVAR10	Phone number
	last_update	TIMESTAMP	Date and time of the last update of the record


#### Links to

Table	Join
city	address.address_id = city.address_id

#### Links from

Table	Join
store	store.address_id = address.address_id



#### Category

	Columns	Data Type	Description
	category_id	SERIAL	Category identification nr
	name	CHARVAR25	Category of the film
	last_update	TIMESTAMP	Date and time of the last update of the record

#### Links from

Table	Join
film_category	film_category.category_id = category.category_id

#### City

	Columns	Data Type	Description
	city_id	SERIAL	City identification nr
	city	CHARVAR50	Name of the city
	country_id	SMALLINT	Country
	last_update	TIMESTAMP	Date and time of the last update of the record


#### Links to

Table	Join
country	city.country_id = country.country_id

#### Links from

Table	Join
address	address.address_id = city.address_id



## Country

	Columns	Data Type	Description
	city_id	SERIAL	Country identification nr
	country	CHARVAR50	Name of the country
	last_update	TIMESTAMP	Date and time of the last update of the record

### Links from

Table	Join
city	city.country_id = country.country_id

## Customer

	Columns	Data Type	Description
	customer_id	SERIAL	Customer identification nr
	store_id	SMALLINT	Store identification nr
	first_name	CHARVAR45	Customer first name
	last_name	CHARVAR45	Customer las name
	email	CHARVAR50	Customer email address
	address_id	SMALLINT	Address identification nr
	activebool	BOOLEAN	State of the customer: active (True) or inactive (False)
	create_data	DATE	Date of the registration
	last_update	TIMESTAMP	Date and time of the last update of the record
	active	INTEGER	State of the customer: active (1) or inactive (0)



### Links to

Table	Join
address	customer.address_id = address.address_id

### Links from

Table	Join
rental	rental.customer_id = customer.customer_id

## Film

	Columns	Data Type	Description
	film_id	SERIAL	Film identification nr
	title	CHARVAR255	Title of the film
	description	TEXT	Description of the film
	release_year	Year	Year of the release
	language_id	SMALLINT	Language of the film
	rental_duration	SMALLINT	Days of the rental
	rental_rate	NUMERIC(4,2)	Rental price
	length	SMALLINT	Film length in minutes
	replacement_cost	NUMERIC(5,2)	Price of film replacement
	rating	Mpaa_rating	Rating of the film
	last_update	IMESTAMPT	Date and time of the last update of the record
	special_features	TEXT	Extras of the film
	full_text	TSVECTOR	Key description





### Links to

Table	Join
language	film.language_id = language.language_id

### Links from

Table	Join
inventory	inventory.film_id = film.film_id

## Film\_actor



	Columns	Data Type	Description
	actor_id	SMALLINT	Actor identification nr
			
	film_id	SMALLINT	Film identification nr
			
	last_update	TIMESTAMP	Date and time of the last update of the record

### Links to

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





## Film\_category

	Columns	Data Type	Description
	film_id	SMALLINT	Film identification nr
	category_id	SMALLINT	Category identification nr
	last_update	TIMESTAMP	Date and time of the last update of the record

### Links to

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

## Inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	Inventory identification nr
	film_id	SMALLINT	Film identification nr
	store_id	SMALLINT	Store identification nr
	last_update	TIMESTAMP	Date and time of the last update of the record


### Links to

Table	Join
film	inventory.film_id = film.film_id

### Links from

Table	Join
rental	rental.inventory_id = inventory.inventory_id



## Language

	Columns	Data Type	Description
	language_id	SERIAL	Language identification nr
	name	CHARACTER20	Language
	last_update	TIMESTAMP	Date and time of the last update of the record

### Links from

Table	Join
film	film.film_id = language.film_id

## Staff

	Columns	Data Type	Description
	staff_id	SERIAL	Staff identification
	first_name	CHARVAR45	Staff first name
	last_name	CHARVAR45	Staff last name
	address_id	SMALLINT	Address identification
	email	CHARVAR50	Staff email address
	store_id	SMALLINT	Store identification
	active	BOOLEAN	State of the staff member: active (1) or inactive (0)
	username	CHARVAR16	Username in the system
	password	CHARVAR40	Password
	last_update	TIMESTAMP	Date and time of the last update of the record
	picture	BYTEA	Picture of the staff member




### Links to

Table	Join
address	staff.address_id = address.address_id

### Links from

Table	Join
payment	payment.staff_id = staff.staff_id

## Store

	Columns	Data Type	Description
	store_id	SERIAL	Store identification
	manager_staff_id	SMALLINT	Manager staff identification
	address_id	SMALLINT	Address identification
	last_update	TIMESTAMP	Date and time of the last update of the record

## Links to

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