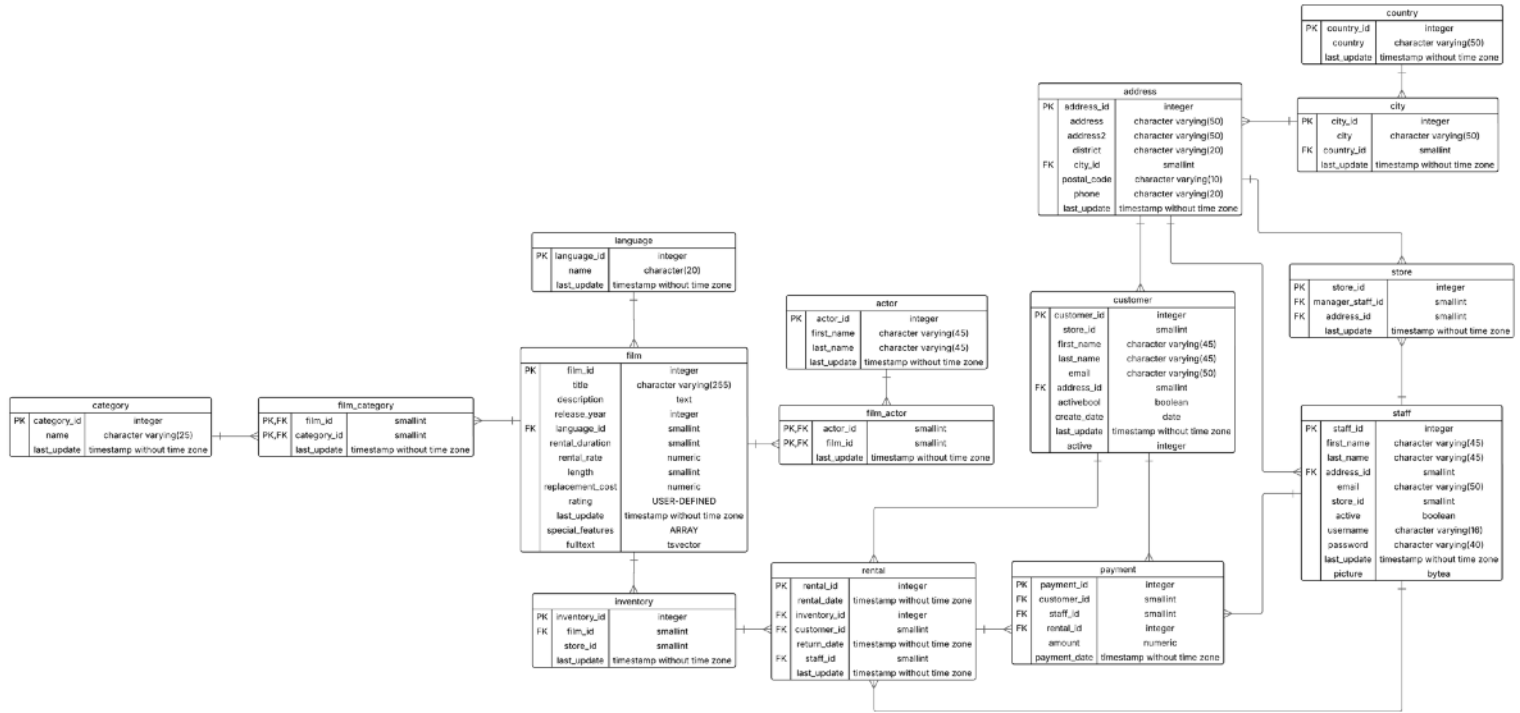


13.08.2025



# ENTITY-RELATIONSHIP DIAGRAM



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3. Address
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21. Staff\_List
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# TABLES:

table_name	column_name	data_type	description
actor	actor_id	integer	Unique identifier for actor
actor	first_name	character varying	Actor first name
actor	last_name	character varying	Actor last name
actor	last_update	timestamp without time zone	Actor last update, date and time
actor_info	actor_id	integer	Unique identifier for actor
actor_info	film_info	text	Film information, genre, type, audience, etc.
actor_info	first_name	character varying	Actor first name
actor_info	last_name	character varying	Actor last name
address	address	character varying	Address
address	address2	character varying	(Potential Null Data)
address	address_id	integer	Unique identifier for the address
address	district	character varying	District
address	last_update	timestamp without time zone	District last update, date and time
address	phone	character varying	Phone number
address	postal_code	character varying	Postal code
address	city_id	smallint	Unique identifier for the city
category	last_update	timestamp without time zone	Category last update, date and time
category	name	character varying	Film genre
category	category_id	integer	Unique identifier for category
city	city	character varying	City
city	last_update	timestamp without time zone	City last update, date and time
city	city_id	integer	Unique identifier for the city
city	country_id	smallint	Unique identifier for the country
country	country	character varying	Country name
country	last_update	timestamp without time zone	Country update, date and time
country	country_id	integer	Unique identifier for the country
customer	address_id	smallint	Unique identifier for the address
customer	active	integer	Customer active/inactive
customer	activebool	boolean	Customer active/inactive
customer	create_date	date	Customer data creation
customer	email	character varying	Customer email
customer	first_name	character varying	Customer first name
customer	last_name	character varying	Customer last name
customer	last_update	timestamp without time zone	Customer last update, date and time
customer	customer_id	integer	Unique identifier for the customer
customer	store_id	smallint	Unique identifier for store
customer_list	address	character varying	Customer address
customer_list	city	character varying	Customer city
customer_list	country	character varying	Customer country
customer_list	id	integer	Unique identifier for the customer
customer_list	name	text	Customer full name
customer_list	notes	text	Customer status, active/inactive
customer_list	phone	character varying	Customer phone number
customer_list	sid	smallint	-
customer_list	zip code	character varying	Customer zip code

# TABLES:

table_name	column_name	data_type	description
film	description	text	Film description
film	fulltext	tsvector	Film description keywords
film	last_update	timestamp without time zone	Film last update, date and time
film	length	smallint	Film duration
film	rating	USER-DEFINED	Film rating age
film	release_year	integer	Film release year
film	rental_duration	smallint	Film rental duration
film	rental_rate	numeric	Film rental cost
film	replacement_cost	numeric	Film replacement cost
film	special_features	ARRAY	Film added features
film	title	character varying	Film title
film	film_id	integer	Unique identifier for the film
film	language_id	smallint	Unique identifier for language
film_actor	actor_id	smallint	Unique identifier for actor
film_actor	last_update	timestamp without time zone	Film actor last update, date and time
film_actor	film_id	smallint	Unique identifier for the film
film_category	category_id	smallint	Unique identifier for category
film_category	last_update	timestamp without time zone	Film genre last update, date and time
film_category	film_id	smallint	Unique identifier for the film
film_list	actors	text	Film cast
film_list	category	character varying	Film genre
film_list	description	text	Film description
film_list	fid	integer	Unique identifier for the film
film_list	length	smallint	Film lenght
film_list	price	numeric	Film price in minutes
film_list	rating	USER-DEFINED	Film rating age
film_list	title	character varying	Film title
inventory	last_update	timestamp without time zone	Film inventory last update, date and time
inventory	film_id	smallint	Unique identifier for the film
inventory	inventory_id	integer	Unique identifier for inventory
inventory	store_id	smallint	Unique identifier for store
language	last_update	timestamp without time zone	Language last update, date and time
language	name	character	Language
language	language_id	integer	Unique identifier for language
nicer_but_slower_film_list	actors	text	Nicer but slower films cast
nicer_but_slower_film_list	category	character varying	Nicer but slower films cast category
nicer_but_slower_film_list	description	text	Nicer but slower films cast description
nicer_but_slower_film_list	fid	integer	Nicer but slower films cast ID
nicer_but_slower_film_list	length	smallint	Nicer but slower films cast duration
nicer_but_slower_film_list	price	numeric	Nicer but slower films cast cost
nicer_but_slower_film_list	rating	USER-DEFINED	Nicer but slower films rating age
nicer_but_slower_film_list	title	character varying	Nicer but slower films title

# TABLES:

table_name	column_name	data_type	description
nicer_but_slower_film_list	actors	text	Nicer but slower films cast
nicer_but_slower_film_list	category	character varying	Nicer but slower films cast category
nicer_but_slower_film_list	description	text	Nicer but slower films cast description
nicer_but_slower_film_list	fid	integer	Nicer but slower films cast ID
nicer_but_slower_film_list	length	smallint	Nicer but slower films cast duration
nicer_but_slower_film_list	price	numeric	Nicer but slower films cast cost
nicer_but_slower_film_list	rating	USER-DEFINED	Nicer but slower films rating age
nicer_but_slower_film_list	title	character varying	Nicer but slower films title
payment	customer_id	smallint	Unique identifier for the customer
payment	amount	numeric	Payment cost
payment	payment_date	timestamp without time zone	Payment date and time
payment	payment_id	integer	Unique identifier payment
payment	rental_id	integer	Unique identifier for rental
payment	staff_id	smallint	Unique identifier for staff
rental	customer_id	smallint	Unique identifier for the customer
rental	inventory_id	integer	Unique identifier for inventory
rental	last_update	timestamp without time zone	Rental last update, date and time
rental	rental_date	timestamp without time zone	Rental date and time
rental	rental_id	integer	Unique identifier for rental
rental	return_date	timestamp without time zone	Rental return date and time
rental	staff_id	smallint	Unique identifier for staff
sales_by_film_category	category	character varying	Sale category
sales_by_film_category	total_sales	numeric	Sales total revenue
sales_by_store	manager	text	Sales by manager
sales_by_store	store	text	Sales by store
sales_by_store	total_sales	numeric	Sales total revenue
staff	address_id	smallint	Unique identifier for the staff address
staff	active	boolean	Staff active/inactive
staff	email	character varying	Staff email
staff	first_name	character varying	Staff first name
staff	last_name	character varying	Staff last name
staff	last_update	timestamp without time zone	Staff last update, date and time
staff	password	character varying	Staff password
staff	picture	bytea	Staff picture in binary code
staff	staff_id	integer	Unique identifier for staff
staff	username	character varying	Staff username
staff	store_id	smallint	Unique identifier for store
staff_list	address	character varying	Staff address
staff_list	city	character varying	Staff city
staff_list	country	character varying	Staff country
staff_list	id	integer	Unique identifier for the staff
staff_list	name	text	Staff name
staff_list	phone	character varying	Staff phone number
staff_list	sid	smallint	-
staff_list	zip code	character varying	Staff zip code

# TABLES:

table_name	column_name	data_type	description
store	address_id	smallint	Unique identifier for the address
store	manager_staff_id	smallint	Unique identifier for manager staff
store	last_update	timestamp without time zone	Store last update, date and time
store	store_id	integer	Unique identifier for store



# TABLES:

## 1. actor

**Links to:** -

**Links from:** actor\_id

**Unique keys:** actor\_id

## 2. actor\_info

**Links to:** actor\_id

**Links from:** -

**Unique keys:** actor\_id

## 3. address

**Links to:** city\_id

**Links from:** address\_id

**Unique keys:** address\_id

## 4. category

**Links to:** -

**Links from:** category\_id

**Unique keys:** category\_id

## 5. city

**Links to:** country\_id

**Links Ffom:** city\_id

**Unique keys:** city\_id

## 6. country

**Links to:** -

**Links from:** country\_id

**Unique keys:** country\_id

## 7. customer

**Links to:** address\_id

**Links form:** customer\_id

**Unique keys:** customer\_id

## 8. customer\_list

**Links to:** -

**Links from:** -

**Unique keys:** customer\_id

## 9. film

**Links to:** language\_id

**Links from:** film\_id

**Unique keys:** film\_id

## 10. film\_actor

**Links to:** | actor\_id

**Links from:** -

**Unique keys:** actor\_id,, film\_id)



# TABLES:

## 11. film\_category

**Links to:** film\_id

**Links from:** -

**Unique keys:** film\_id, category\_id

## 12. film\_list

**Links to:** -

**Links from:** -

**Unique keys:** film\_id

## 13. inventory

**Links to:** film\_id

**Links from:** -

**Unique keys:** -

## 14. language

**Links to:** -

**Links from:** language\_id

**Unique keys:** language\_id

## 15. nicer\_but\_slower\_film\_list

**Links to:** -

**Links from:** -

**Unique keys:** film\_id

## 16. payment

**Links to:** customer\_id

**Links from:** -

**Unique keys:** payment\_id

## 17. rental

**Links to:** customer\_id, staff\_id

**Links from:** rental\_id

**Unique keys:** rental\_id

## 18. sales\_by\_film\_category

**Links to:** -

**Links from:** -

**Unique keys:** film\_id

## 19. sales\_by\_store

**Links to:** -

**Links from:** - None

**Unique keys:** store\_id

## 20. staff

**Links to:** address\_id, store\_id

**Links from:** staff\_id

**Unique keys:** staff\_id

# TABLES:

## 21. staff\_list

**Links to:** -

**Links from:** -

**Unique Keys:** staff\_id

## 22. store

**Links to:** address\_id, staff\_id |

**Links from:** store\_id

**Unique keys:** store\_id