# DATA DICTIONARY

**Rockbuster Stealth Database**
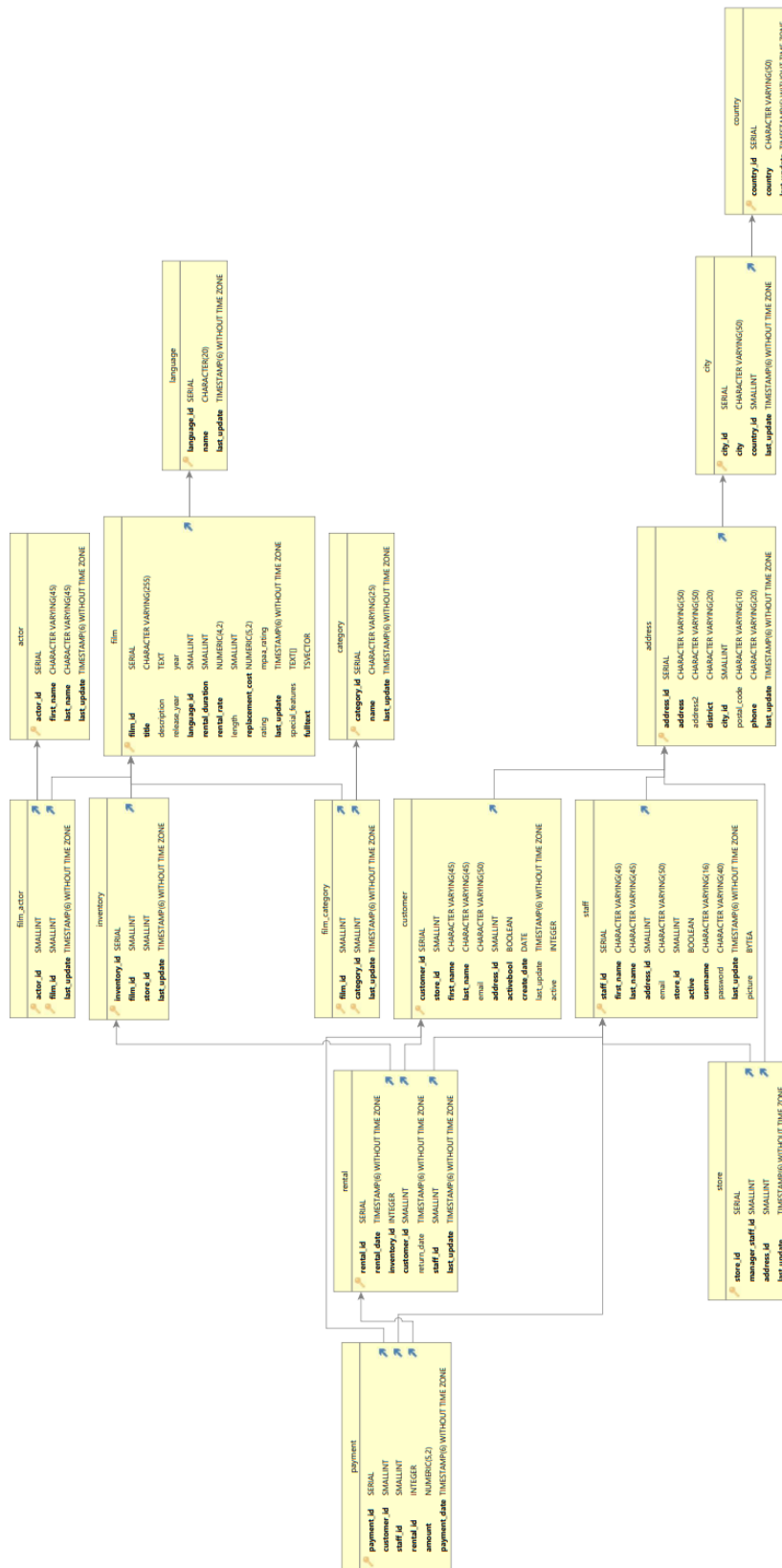
By Christine Dietzsch

# Inhalt

# ERD Entity Relationship Diagram: Contents

**language**

| | |
|---|---|
| **language_id** | SERIAL |
| **name** | CHARACTER(20) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**country**

| | |
|---|---|
| **country_id** | SERIAL |
| **country** | CHARACTER VARYING(50) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**actor**

| | |
|---|---|
| **actor_id** | SERIAL |
| **first_name** | CHARACTER VARYING(45) |
| **last_name** | CHARACTER VARYING(45) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**film**

| | |
|---|---|
| **film_id** | SERIAL |
| **title** | CHARACTER VARYING(255) |
| description | TEXT |
| release_year | year |
| **language_id** | SMALLINT |
| **rental_duration** | SMALLINT |
| **rental_rate** | NUMERIC(4,2) |
| length | SMALLINT |
| **replacement_cost** | NUMERIC(5,2) |
| rating | mpaa_rating |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |
| special_features | TEXT[] |
| **fulltext** | TSVECTOR |

**category**

| | |
|---|---|
| **category_id** | SERIAL |
| **name** | CHARACTER VARYING(25) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**city**

| | |
|---|---|
| **city_id** | SERIAL |
| **city** | CHARACTER VARYING(50) |
| **country_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**address**

| | |
|---|---|
| **address_id** | SERIAL |
| **address** | CHARACTER VARYING(50) |
| address2 | CHARACTER VARYING(50) |
| **district** | CHARACTER VARYING(20) |
| **city_id** | SMALLINT |
| postal_code | CHARACTER VARYING(10) |
| **phone** | CHARACTER VARYING(20) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**film_actor**

| | |
|---|---|
| **actor_id** | SMALLINT |
| **film_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**inventory**

| | |
|---|---|
| **inventory_id** | SERIAL |
| **film_id** | SMALLINT |
| **store_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**film_category**

| | |
|---|---|
| **film_id** | SMALLINT |
| **category_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**customer**

| | |
|---|---|
| **customer_id** | SERIAL |
| **store_id** | SMALLINT |
| **first_name** | CHARACTER VARYING(45) |
| **last_name** | CHARACTER VARYING(45) |
| email | CHARACTER VARYING(50) |
| **address_id** | SMALLINT |
| **activebool** | BOOLEAN |
| **create_date** | DATE |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE |
| active | INTEGER |

**staff**

| | |
|---|---|
| **staff_id** | SERIAL |
| **first_name** | CHARACTER VARYING(45) |
| **last_name** | CHARACTER VARYING(45) |
| **address_id** | SMALLINT |
| email | CHARACTER VARYING(50) |
| **store_id** | SMALLINT |
| **active** | BOOLEAN |
| **username** | CHARACTER VARYING(16) |
| password | CHARACTER VARYING(40) |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |
| picture | BYTEA |

**rental**

| | |
|---|---|
| **rental_id** | SERIAL |
| **rental_date** | TIMESTAMP(6) WITHOUT TIME ZONE |
| **inventory_id** | INTEGER |
| **customer_id** | SMALLINT |
| return_date | TIMESTAMP(6) WITHOUT TIME ZONE |
| **staff_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**store**

| | |
|---|---|
| **store_id** | SERIAL |
| **manager_staff_id** | SMALLINT |
| **address_id** | SMALLINT |
| **last_update** | TIMESTAMP(6) WITHOUT TIME ZONE |

**payment**

| | |
|---|---|
| **payment_id** | SERIAL |
| **customer_id** | SMALLINT |
| **staff_id** | INTEGER |
| **rental_id** | INTEGER |
| **amount** | NUMERIC(5,2) |
| **payment_date** | TIMESTAMP(6) WITHOUT TIME ZONE |

# ERD Entity Relationship Diagram: Legend

🔑 Primary Key

🔑 Foreign Key

# Fact Tables

## Table: Payment

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | payment | payment_id | integer | Payment ID | |
| | payment | customer_id | smallint | Customer ID | 🔍 |
| | payment | staff_id | smallint | Staff ID | 🔍 |
| | payment | rental_id | integer | Rental ID | 🔍 |
| | payment | amount | numeric | The price in the invoice | |
| | payment | payment_date | timestamp without time zone | Payment date and hour | |

Links to tables:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | customer | customer_id | integer | Customer ID | |
| | customer | store_id | smallint | Store ID | |
| | customer | first_name | character varying | First name of customer | |
| | customer | last_name | character varying | Last name of customer | |
| | customer | email | character varying | Email of customer | |
| | customer | address_id | smallint | Address ID | 🔍 |
| | customer | activebool | boolean | True/ False | |
| | customer | create_date | date | Date of when customer was created in the data set | |
| | customer | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | customer | active | integer | Number, Indicates If Customer Is Active | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | rental | rental_id | integer | Rental ID | |
| | rental | rental_date | timestamp without time zone | Date and hour of rental | |
| | rental | inventory_id | integer | Inventory ID | 🔍 |
| | rental | customer_id | smallint | Customer ID | 🔍 |
| | rental | return_date | timestamp without time zone | Date and hour or return | |
| | rental | staff_id | smallint | Staff ID | 🔍 |
| | rental | last_update | timestamp without time zone | Last update of this data record | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | staff | staff_id | integer | Staff ID | |
| | staff | first_name | character varying | Christian name staff member | |
| | staff | last_name | character varying | Last name staff member | |
| | staff | address_id | smallint | Address ID | 🔍 |
| | staff | email | character varying | Email Of Staff | |
| | staff | store_id | smallint | Store ID | |
| | staff | active | boolean | active or not active working staff | |
| | staff | username | character varying | Personal Login name of staff | |
| | staff | password | character varying | Personal login password | |
| | staff | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | staff | picture | bytea | Foto of the staff member | |

Links from table:

- none

## Table: Rental

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | rental | rental_id | integer | Rental ID | |
| | rental | rental_date | timestamp without time zone | Date and hour of rental | |
| | rental | inventory_id | integer | Inventory ID | 🔑 |
| | rental | customer_id | smallint | Customer ID | 🔑 |
| | rental | return_date | timestamp without time zone | Date and hour or return | |
| | rental | staff_id | smallint | Staff ID | 🔑 |
| | rental | last_update | timestamp without time zone | Last update of this data record | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | customer | customer_id | integer | Customer ID | |
| | customer | store_id | smallint | Store ID | |
| | customer | first_name | character varying | First name of customer | |
| | customer | last_name | character varying | Last name of customer | |
| | customer | email | character varying | Email of customer | |
| | customer | address_id | smallint | Address ID | 🔑 |
| | customer | activebool | boolean | True/ False | |
| | customer | create_date | date | Date of when customer was created in the data set | |
| | customer | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | customer | active | integer | Number, Indicates If Customer Is Active | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | inventory | inventory_id | integer | Inventory ID | |
| | inventory | film_id | smallint | Film ID | 🔑 |
| | inventory | store_id | smallint | Store ID | |
| | inventory | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | staff | staff_id | integer | Staff ID | |
| | staff | first_name | character varying | Christian name staff member | |
| | staff | last_name | character varying | Last name staff member | |
| | staff | address_id | smallint | Address ID | 🔑 |
| | staff | email | character varying | Email Of Staff | |
| | staff | store_id | smallint | Store ID | |
| | staff | active | boolean | active or not active working staff | |
| | staff | username | character varying | Personal Login name of staff | |
| | staff | password | character varying | Personal login password | |
| | staff | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | staff | picture | bytea | Foto of the staff member | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | payment | payment_id | integer | Payment ID | |
| | payment | customer_id | smallint | Customer ID | 🔑 |
| | payment | staff_id | smallint | Staff ID | 🔑 |
| | payment | rental_id | integer | Rental ID | 🔑 |
| | payment | amount | numeric | The price in the invoice | |
| | payment | payment_date | timestamp without time zone | Payment date and hour | |

# Dimension Tables

## Table: Actor

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | actor | actor_id | integer | Actor ID | |
| | actor | first_name | character varying | First name of the actor | |
| | actor | last_name | character varying | Last name of the actor | |
| | actor | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

- none

Links from table:

| key | table_name | column_name | data_type | description | for. k |
|-----|-----------|-------------|-----------|-------------|--------|
| 🔑 | film_actor | actor_id | smallint | Actor ID | 🔑 |
| 🔑 | film_actor | film_id | smallint | Film ID | 🔑 |
| | film_actor | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Address

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | address | address_id | integer | Address ID | |
| | address | address | character varying | Number, street | |
| | address | address2 | character varying | C/O | |
| | address | district | character varying | District in which the address is located | |
| | address | city_id | smallint | City ID | 🔑 |
| | address | postal_code | character varying | Postal codes | |
| | address | phone | character varying | Phone number | |
| | address | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

| key | table_name | column_name | data_type | description | for. k |
|---|---|---|---|---|---|
| 🔑 | city | city_id | integer | City ID | |
| | city | city | character varying | City (belongs to address table) | |
| | city | country_id | smallint | Country ID | 🔑 |
| | city | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | customer | customer_id | integer | Customer ID | |
| | customer | store_id | smallint | Store ID | |
| | customer | first_name | character varying | First name of customer | |
| | customer | last_name | character varying | Last name of customer | |
| | customer | email | character varying | Email of customer | |
| | customer | address_id | smallint | Address ID | 🔑 |
| | customer | activebool | boolean | True/ False | |
| | customer | create_date | date | Date of when customer was created in the data set | |
| | customer | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | customer | active | integer | Number, Indicates If Customer Is Active | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | staff | staff_id | integer | Staff ID | |
| | staff | first_name | character varying | Christian name staff member | |
| | staff | last_name | character varying | Last name staff member | |
| | staff | address_id | smallint | Address ID | 🔑 |
| | staff | email | character varying | Email Of Staff | |
| | staff | store_id | smallint | Store ID | |
| | staff | active | boolean | active or not active working staff | |
| | staff | username | character varying | Personal Login name of staff | |
| | staff | password | character varying | Personal login password | |
| | staff | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | staff | picture | bytea | Foto of the staff member | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | store | store_id | integer | Store ID | |
| | store | manager_staff_id | smallint | Manager_staff ID | 🔑 |
| | store | address_id | smallint | Address ID | 🔑 |
| | store | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Category

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | category | category_id | integer | Category ID | |
| | category | name | character varying | Genre of the film / rented item | |
| | category | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

- none

Links from table:

| key | table_name | column_name | data_type | description | for. k |
|-----|-----------|-------------|-----------|-------------|--------|
| 🔑 | film_category | film_id | smallint | Film ID | 🔑 |
| 🔑 | film_category | category_id | smallint | Category ID | 🔑 |
| | film_category | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: City

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | city | city_id | integer | City ID | |
| | city | city | character varying | City (belongs to address table) | |
| | city | country_id | smallint | Country ID | 🔑 |
| | city | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | country | country_id | integer | Country ID | |
| | country | country | character varying | Country name | |
| | country | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | address | address_id | integer | Address ID | |
| | address | address | character varying | Number, street | |
| | address | address2 | character varying | C/O | |
| | address | district | character varying | District in which the address is located | |
| | address | city_id | smallint | City ID | 🔑 |
| | address | postal_code | character varying | Postal codes | |
| | address | phone | character varying | Phone number | |
| | address | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Country

| key | table_name | column_name | data_type | description | for. key |
|-----|------------|-------------|-----------|-------------|----------|
| 🔑 | country | country_id | integer | Country ID | |
| | country | country | character varying | Country name | |
| | country | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

- none

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|-----|------------|-------------|-----------|-------------|----------|
| 🔑 | city | city_id | integer | City ID | |
| | city | city | character varying | City (belongs to address table) | |
| | city | country_id | smallint | Country ID | 🔑 |
| | city | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Customer

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | customer | customer_id | integer | Customer ID | |
| | customer | store_id | smallint | Store ID | |
| | customer | first_name | character varying | First name of customer | |
| | customer | last_name | character varying | Last name of customer | |
| | customer | email | character varying | Email of customer | |
| | customer | address_id | smallint | Address ID | 🔑 |
| | customer | activebool | boolean | True/ False | |
| | customer | create_date | date | Date of when customer was created in the data set | |
| | customer | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | customer | active | integer | Number, Indicates If Customer Is Active | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | address | address_id | integer | Address ID | |
| | address | address | character varying | Number, street | |
| | address | address2 | character varying | C/O | |
| | address | district | character varying | District in which the address is located | |
| | address | city_id | smallint | City ID | 🔑 |
| | address | postal_code | character varying | Postal codes | |
| | address | phone | character varying | Phone number | |
| | address | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | rental | rental_id | integer | Rental ID | |
| | rental | rental_date | timestamp without time zone | Date and hour of rental | |
| | rental | inventory_id | integer | Inventory ID | 🔑 |
| | rental | customer_id | smallint | Customer ID | 🔑 |
| | rental | return_date | timestamp without time zone | Date and hour or return | |
| | rental | staff_id | smallint | Staff ID | 🔑 |
| | rental | last_update | timestamp without time zone | Last update of this data record | |

## Table: Film

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film | film_id | integer | Film ID | |
| | film | title | character varying | Film title | |
| | film | description | text | Abstract / short descr. of the film | |
| | film | release_year | integer | Release Year | |
| | film | language_id | smallint | Language ID | 🔑 |
| | film | rental_duration | smallint | Durantion Of Allowed Rental In Days | |
| | film | rental_rate | numeric | Pricing For The Rental And That Duration | |
| | film | length | smallint | Length Of The Film In Min | |
| | film | replacement_cost | numeric | Costs Due If Film Is Lost | |
| | film | rating | USER-DEFINED | Rating (Maybe Age-Restrict.) | |
| | film | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | film | special_features | ARRAY | bonus stuff available if one rents the film | |
| | film | fulltext | tsvector | Full Text Indexing, E.G. For Users To Search Items | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | language | language_id | integer | Language ID | |
| | language | name | character | Language name | |
| | language | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film_actor | actor_id | smallint | Actor ID | 🔑 |
| 🔑 | film_actor | film_id | smallint | Film ID | 🔑 |
| | film_actor | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film_category | film_id | smallint | Film ID | 🔑 |
| 🔑 | film_category | category_id | smallint | Category ID | 🔑 |
| | film_category | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | inventory | inventory_id | integer | Inventory ID | |
| | inventory | film_id | smallint | Film ID | 🔑 |
| | inventory | store_id | smallint | Store ID | |
| | inventory | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Film Actor

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | film_actor | actor_id | smallint | Actor ID | 🔑 |
| 🔑 | film_actor | film_id | smallint | Film ID | 🔑 |
| | film_actor | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | actor | actor_id | integer | Actor ID | |
| | actor | first_name | character varying | First name of the actor | |
| | actor | last_name | character varying | Last name of the actor | |
| | actor | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | film | film_id | integer | Film ID | |
| | film | title | character varying | Film title | |
| | film | description | text | Abstract / short descr. of the film | |
| | film | release_year | integer | Release Year | |
| | film | language_id | smallint | Language ID | 🔑 |
| | film | rental_duration | smallint | Duranction Of Allowed Rental In Days | |
| | film | rental_rate | numeric | Pricing For The Rental And That Duration | |
| | film | length | smallint | Length Of The Film In Min | |
| | film | replacement_cost | numeric | Costs Due If Film Is Lost | |
| | film | rating | USER-DEFINED | Rating (Maybe Age-Restrict.) | |
| | film | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | film | special_features | ARRAY | bonus stuff available if one rents the film | |
| | film | fulltext | tsvector | Full Text Indexing, E.G. For Users To Search Items | |

Links from table:

- none

## Table: Film Category

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film_category | film_id | smallint | **Film ID** | 🔑 |
| 🔑 | film_category | category_id | smallint | **Category ID** | 🔑 |
| | film_category | last_update | timestamp without time zone | **Time stamp of that data last being updated** | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | category | category_id | integer | Category ID | |
| | category | name | character varying | Genre of the film / rented item | |
| | category | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film | film_id | integer | Film ID | |
| | film | title | character varying | Film title | |
| | film | description | text | Abstract / short descr. of the film | |
| | film | release_year | integer | Release Year | |
| | film | language_id | smallint | Language ID | 🔑 |
| | film | rental_duration | smallint | Duration Of Allowed Rental In Days | |
| | film | rental_rate | numeric | Pricing For The Rental And That Duration | |
| | film | length | smallint | Length Of The Film In Min | |
| | film | replacement_cost | numeric | Costs Due If Film Is Lost | |
| | film | rating | USER-DEFINED | Rating (Maybe Age-Restrict.) | |
| | film | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | film | special_features | ARRAY | bonus stuff available if one rents the film | |
| | film | fulltext | tsvector | Full Text Indexing, E.G. For Users To Search Items | |

Links from table:

- none

## Table: Inventory

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | inventory | inventory_id | integer | Inventory ID | |
| | inventory | film_id | smallint | Film ID | 🔑 |
| | inventory | store_id | smallint | Store ID | |
| | inventory | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | film | film_id | integer | Film ID | |
| | film | title | character varying | Film title | |
| | film | description | text | Abstract / short descr. of the film | |
| | film | release_year | integer | Release Year | |
| | film | language_id | smallint | Language ID | 🔑 |
| | film | rental_duration | smallint | Duranton Of Allowed Rental In Days | |
| | film | rental_rate | numeric | Pricing For The Rental And That Duration | |
| | film | length | smallint | Length Of The Film In Min | |
| | film | replacement_cost | numeric | Costs Due If Film Is Lost | |
| | film | rating | USER-DEFINED | Rating (Maybe Age-Restrict.) | |
| | film | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | film | special_features | ARRAY | bonus stuff available if one rents the film | |
| | film | fulltext | tsvector | Full Text Indexing, E.G. For Users To Search Items | |

Links from table:

| key | table_name | column_name | data_type | description | for. k |
|-----|-----------|-------------|-----------|-------------|--------|
| 🔑 | rental | rental_id | integer | Rental ID | |
| | rental | rental_date | timestamp without time zone | Date and hour of rental | |
| | rental | inventory_id | integer | Inventory ID | 🔑 |
| | rental | customer_id | smallint | Customer ID | 🔑 |
| | rental | return_date | timestamp without time zone | Date and hour or return | |
| | rental | staff_id | smallint | Staff ID | 🔑 |
| | rental | last_update | timestamp without time zone | Last update of this data record | |

# Table: Language

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | language | language_id | integer | Language ID | |
| | language | name | character | Language name | |
| | language | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

- none

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | film | film_id | integer | Film ID | |
| | film | title | character varying | Film title | |
| | film | description | text | Abstract / short descr. of the film | |
| | film | release_year | integer | Release Year | |
| | film | language_id | smallint | Language ID | 🔑 |
| | film | rental_duration | smallint | Duranton Of Allowed Rental In Days | |
| | film | rental_rate | numeric | Pricing For The Rental And That Duration | |
| | film | length | smallint | Length Of The Film In Min | |
| | film | replacement_cost | numeric | Costs Due If Film Is Lost | |
| | film | rating | USER-DEFINED | Rating (Maybe Age-Restrict.) | |
| | film | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | film | special_features | ARRAY | bonus stuff available if one rents the film | |
| | film | fulltext | tsvector | Full Text Indexing, E.G. For Users To Search Items | |

# Table: Staff

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | staff | staff_id | integer | Staff ID | |
| | staff | first_name | character varying | Christian name staff member | |
| | staff | last_name | character varying | Last name staff member | |
| | staff | address_id | smallint | Address ID | 🔑 |
| | staff | email | character varying | Email Of Staff | |
| | staff | store_id | smallint | Store ID | |
| | staff | active | boolean | active or not active working staff | |
| | staff | username | character varying | Personal Login name of staff | |
| | staff | password | character varying | Personal login password | |
| | staff | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | staff | picture | bytea | Foto of the staff member | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | address | address_id | integer | Address ID | |
| | address | address | character varying | Number, street | |
| | address | address2 | character varying | C/O | |
| | address | district | character varying | District in which the address is located | |
| | address | city_id | smallint | City ID | 🔑 |
| | address | postal_code | character varying | Postal codes | |
| | address | phone | character varying | Phone number | |
| | address | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links from table:

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | payment | payment_id | integer | Payment ID | |
| | payment | customer_id | smallint | Customer ID | 🔑 |
| | payment | staff_id | smallint | Staff ID | 🔑 |
| | payment | rental_id | integer | Rental ID | 🔑 |
| | payment | amount | numeric | The price in the invoice | |
| | payment | payment_date | timestamp without time zone | Payment date and hour | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | rental | rental_id | integer | Rental ID | |
| | rental | rental_date | timestamp without time zone | Date and hour of rental | |
| | rental | inventory_id | integer | Inventory ID | 🔑 |
| | rental | customer_id | smallint | Customer ID | 🔑 |
| | rental | return_date | timestamp without time zone | Date and hour or return | |
| | rental | staff_id | smallint | Staff ID | 🔑 |
| | rental | last_update | timestamp without time zone | Last update of this data record | |

| key | table_name | column_name | data_type | description | for. key |
|---|---|---|---|---|---|
| 🔑 | store | store_id | integer | Store ID | |
| | store | manager_staff_id | smallint | Manager_staff ID | 🔑 |
| | store | address_id | smallint | Address ID | 🔑 |
| | store | last_update | timestamp without time zone | Time stamp of that data last being updated | |

## Table: Store

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | store | store_id | integer | Store ID | |
| | store | manager_staff_id | smallint | Manager_staff ID | 🔑 |
| | store | address_id | smallint | Address ID | 🔑 |
| | store | last_update | timestamp without time zone | Time stamp of that data last being updated | |

Links to table:

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | address | address_id | integer | Address ID | |
| | address | address | character varying | Number, street | |
| | address | address2 | character varying | C/O | |
| | address | district | character varying | District in which the address is located | |
| | address | city_id | smallint | City ID | 🔑 |
| | address | postal_code | character varying | Postal codes | |
| | address | phone | character varying | Phone number | |
| | address | last_update | timestamp without time zone | Time stamp of that data last being updated | |

| key | table_name | column_name | data_type | description | for. key |
|-----|-----------|-------------|-----------|-------------|----------|
| 🔑 | staff | staff_id | integer | Staff ID | |
| | staff | first_name | character varying | Christian name staff member | |
| | staff | last_name | character varying | Last name staff member | |
| | staff | address_id | smallint | Address ID | 🔑 |
| | staff | email | character varying | Email Of Staff | |
| | staff | store_id | smallint | Store ID | |
| | staff | active | boolean | active or not active working staff | |
| | staff | username | character varying | Personal Login name of staff | |
| | staff | password | character varying | Personal login password | |
| | staff | last_update | timestamp without time zone | Time stamp of that data last being updated | |
| | staff | picture | bytea | Foto of the staff member | |

Links from table:

- none