

ROCKBUSTER DATA DICTIONARY

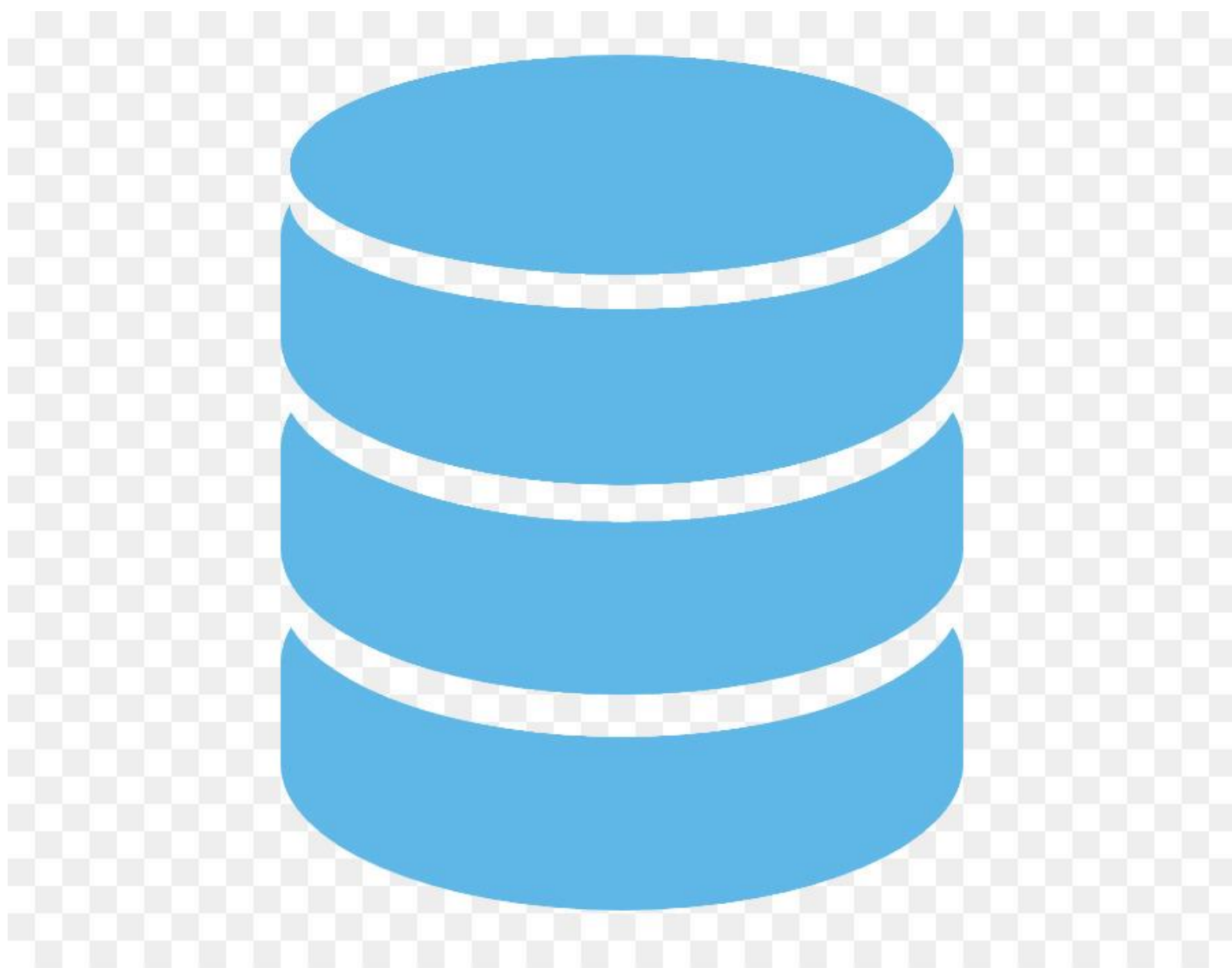
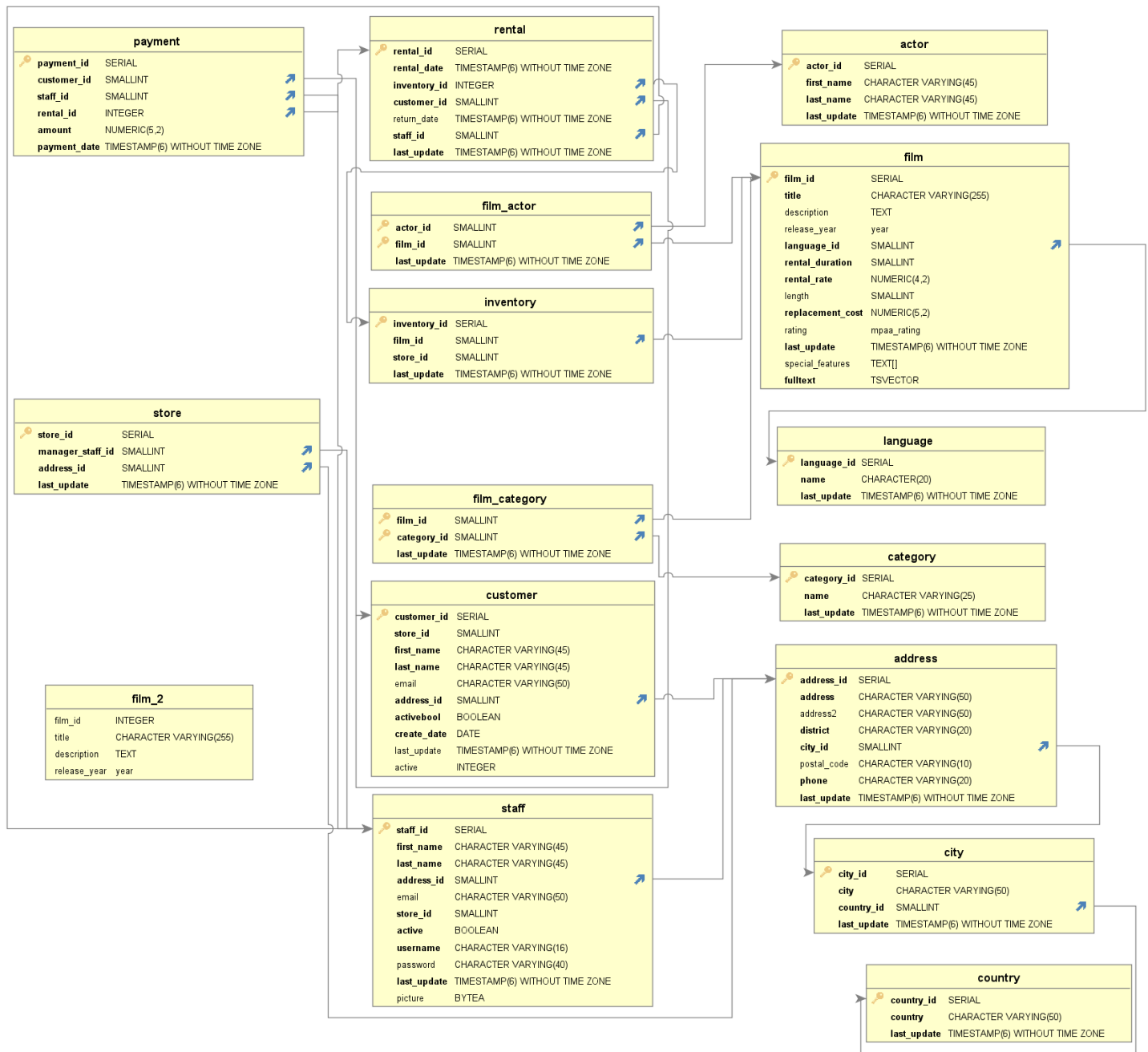


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ERD



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Visualization of Rockbuster Database tables including connections between those tables. Each pale-yellow box is an individual table, the title on the top with the column withing named on the left followed by their respective data types. Yellow keys denote primary keys, blue arrows denote foreign keys. The lines between follow from foreign key of stating table to Primary second table.

TABLES

(Alphabetical)

In the following section, each table is listed with descriptions of its columns and followed by its keys.

Actor

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Actor_id | Serial | Unique identifying number for Actor |
| First_name | Character varying (45) | Actor First name |
| Last_name | Character varying (45) | Actor Second name |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|-----------|----------|--------------------|
| Actory_id | Primary | Film_actor → actor |

Address

| Column Name | Data Type | Description |
|-------------|--------------------------------|---|
| Address_id | Serial | Unique identifying number for address of individual |
| Address | Character Varying (50) | Primary address of individual |
| Address2 | Character Varying (50) | Secondary address of individual |
| District | Character Varying (20) | District in which address is located |
| City_id | Smallint | City in which address is located |
| Postal_code | Character Varying (10) | Postal code of address |
| Phone | Character Varying (20) | Phone number for individual |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|------------|----------|--|
| Address_id | Primary | Customer → Address Staff → Address Store → Address |
| City_id | Foreign | Address → City |

Category

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Category_id | serial | Unique identifying number for genre |
| Name | Character varying (25) | Genre name |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|-------------|----------|--------------------------|
| Category_id | Primary | Film_category → category |

City

| Column Name | Data Type | Description |
|-------------|--------------------------------|---|
| City_id | Serial | Unique identifying number for City |
| city | Character Varying (50) | Name of City |
| Country_id | Smallint | Unique identifying number for Country of city |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|------------|----------|----------------|
| City_id | Primary | Address → City |
| Country_id | Foreign | City → Country |

Country

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Country_id | Serial | Unique identifying number for Country |
| country | Character Varying (50) | Name of Country |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|------------|----------|----------------|
| Country_id | Primary | City → Country |

Customer

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Customer_id | Serial | Unique identifying number for customer |
| Store_id | Smallint | Unique identifying number for store |
| First_name | Character varying (50) | Customer's first name |
| Last_name | Character varying (50) | Customer's last name |
| Email | Character varying (50) | Customer's email address |
| Address_id | Smallint | Unique identifying number for address |
| Activebool | Boolean | True of False of customer active status |
| Create_date | Date | Date file was created |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |
| active | Integer | Binary (0/1) of customer active status |

| Key | Key Type | Joined Table |
|-------------|----------|----------------------------------|
| Customer_id | Primary | Payment→Customer/Rental→Customer |
| Address_id | Foreign | Customer → Address |

Film

| Column Name | Data Type | Description |
|------------------|--------------------------------|---|
| Film_id | Serial | Unique identifying number for film |
| Title | Characters Varying(255) | Full Film Title |
| Description | Text | Description of movie |
| Release_year | Year | Year of film's release |
| Language_id | Smallint | Language of Film |
| Rental_duration | Smallint | Period of time for which movie was rented |
| Rental_rate | Numeric (4,2) | Cost of rental |
| Length | Smallint | Length of movie in minutes |
| Replacement_cost | Numeric (5,2) | Cost of replacing movie |
| Rating | Mpaa_rating | Motion Picture Association rating |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |
| Special_features | Text[] | Special Features of film |
| fulltext | Tsvector | Full Text description of film |

| Key | Key Type | Joined Table |
|-------------|----------|---|
| Film_id | Primary | Film_actor → Film Film_category → Film Inventory → Film |
| Language_id | Foreign | Film → Language |

Film_actor

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Actor_id | SMALLINT | Unique identifying number for actor |
| Film_id | SMALLINT | Unique identifying number for film |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|----------|-----------------|--------------------|
| Actor_id | Primary/Foreign | Film_Actor ↔ Actor |
| Film_id | Primary/Foreign | Film_Actor ↔ Film |

Film_category

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Film_id | Smallint | Unique identifying number for film |
| Category_id | Smallint | Unique identifying number for genre |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|-------------|-----------------|--------------------------|
| Film_id | Primary/Foreign | Film_category ↔ Film |
| Category_id | Primary/Foreign | Film_category ↔ category |

Inventory

| Column Name | Data Type | Description |
|--------------|--------------------------------|--|
| Inventory_id | Serial | Unique identifying number for product |
| Film_id | Smallint | Unique identifying number for film |
| Store_id | Smallint | Unique identifying number for store |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|--------------|----------|--------------------|
| Inventory_id | Primary | Rental → Inventory |
| Film_id | Foreign | Inventory → Film |

Language

| Column Name | Data Type | Description |
|-------------|--------------------------------|--|
| Language_id | Serial | Unique identifying number for Language |
| Name | Character (20) | Language name |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|-------------|----------|-----------------|
| Language_id | Primary | Film → Language |

Payment

| Column Name | Data Type | Description |
|--------------|--------------------------------|---|
| payment_id | Serial | Unique identifying number for transaction |
| customer_id | Smallint | identifying number for customer |
| staff_id | Smallint | Identifying number for staff member |
| Rental_id | Integer | Unique identifying number for rental |
| Amount | Numeric | Amount paid |
| Payment_date | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|-------------|----------|--------------------|
| payment_id | Primary | N/A |
| customer_id | Foreign | Payment → Customer |
| staff_id | Foreign | Payment → Staff |
| Rental_id | Foreign | Payment → Rental |

Rental

| Column Name | Data Type | Description |
|--------------|--------------------------------|--|
| Rental_id | Serial | Unique identifying number for rental |
| Rental_date | Timestamp(6) without time zone | Time of rental |
| Inventory_id | Integer | Unique identifying number for product |
| Customer_id | Smallint | Unique identifying number for customer |
| Return_date | Timestamp(6) without time zone | Date the rental was returned |
| Staff_id | Small int | Unique identifying number for staff member |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|--------------|----------|--------------------|
| Rental_id | Primary | Payment → Rental |
| Inventory_id | Foreign | Rental → Inventory |
| Customer_id | Foreign | Rental → Customer |
| Staff_id | Foreign | Rental → Staff |

Staff

| Column Name | Data Type | Description |
|-------------|--------------------------------|---|
| Staff_id | serial | Unique Identifying number of employee |
| First_name | Characters Varying (45) | Employee First name |
| Last_name | Characters Varying (45) | Employee last name |
| Address_id | Smallint | Unique Identifying number of Employee address |
| Email | Characters Varying (50) | Employee email address |
| Store_id | smallint | Unique Identifying number of store |
| Active | Boolean | Active status of employment |
| Username | Characters Varying (16) | Employee username |
| Password | Characters Varying (440) | Employee password |
| Last_update | Timestamp(6) Without Time Zone | Most recent time of file update |
| Picture | Bytea | Employee picture |

| Key | Key Type | Joined Table |
|------------|----------|---|
| Staff_id | Primary | Payment → Staff Rental → Staff Store → Staff |
| Address_id | Foreign | Staff → Address |

Store

| Column Name | Data Type | Description |
|------------------|--------------------------------|--|
| Store_id | Serial | Unique identifying number for store |
| Manager_staff_id | Smallint | Unique identifying number for manager |
| Address_id | Smallint | Unique identifying number for address |
| Last_update | Timestamp(6) without time zone | Most recent date and time of file update |

| Key | Key Type | Joined Table |
|------------------|----------|-----------------|
| Store_id | Primary | Staff → Store |
| Manager_staff_id | Foreign | Store → Staff |
| Address_id | Foreign | Store → Address |