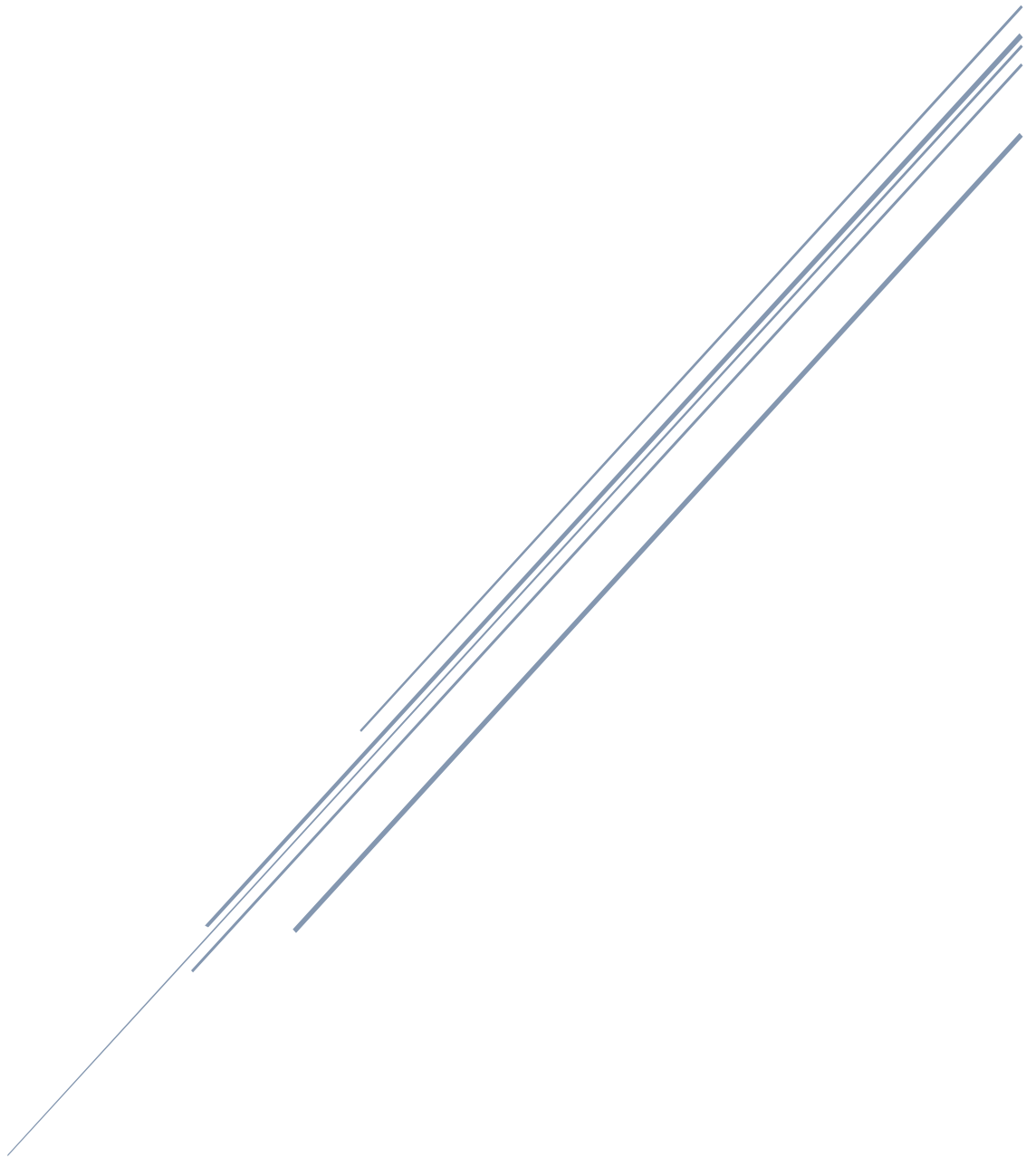


DATA DICTIONARY

ROCKBUSTER STEALTH

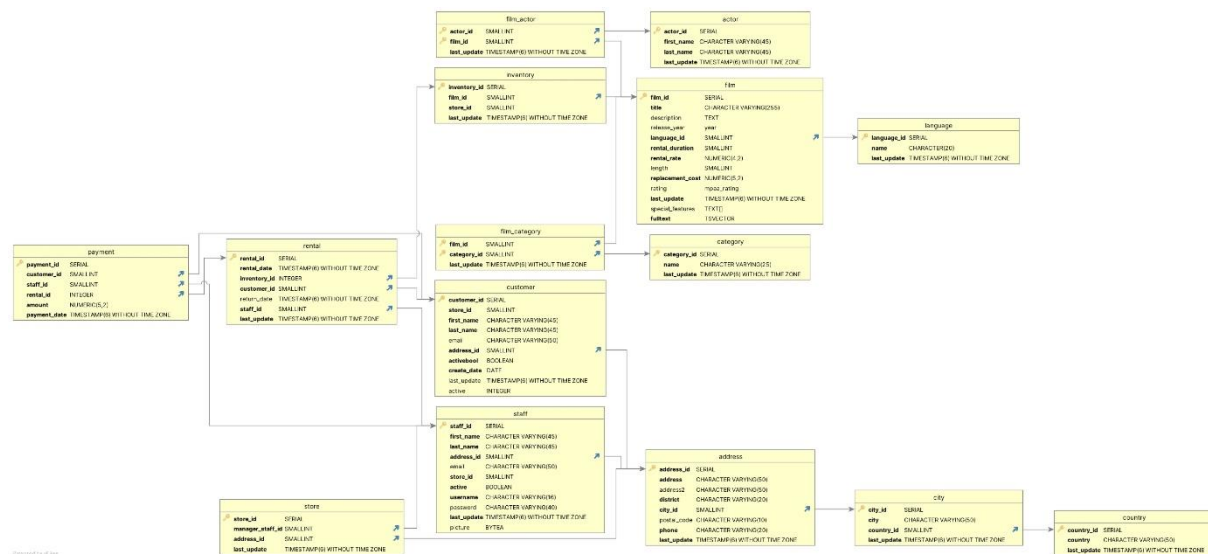


02/07/2023

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1. Entity Relationship Diagram



2. Tables

2.1 Fact tables

2.1.1 Payment

| Columns | Data Type | Description |
|--------------|-------------------------------|--|
| Payment_id | Serial | Unique identification number for each payment made |
| Customer_id | Smallint | Unique identification number for each customer |
| Staff_id | Smallint | Unique identification number for each staff member |
| Rental_id | Integer | Unique identification number for rental made |
| Amount | Numeric (5,2) | Amount of product dealt with |
| Payment_date | Timestamp(6) without timezone | Date of payment |

Links to

| Table | Join | Title/Name/Description |
|----------|--|---|
| Customer | Payment .customer_id = customer.customer_id | Foreign key constraint referencing customer.customer_id |
| Staff | Payment .staff_id = staff.staff_id | Foreign key constraint referencing staff.staff_id |
| Rental | Payment .rental_id = rental.rental_id | Foreign key constraint referencing rental.rental_id |

Unique keys

| Columns |
|------------|
| Payment_id |

2.1.2 rental

| Columns | Data Type | Description |
|--------------|-------------------------------|--|
| Rental_id | Serial | Unique identification number for rental made |
| Rental_date | Timestamp without timezone | Date of rental |
| Inventory_id | Integer | Unique identification number for each film's inventory |
| Customer_id | Smallint | Unique identification number for each customer |
| Return_date | Timestamp without timezone | Date of returned product |
| Staff_id | Smallint | Unique identification number for each staff member |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|-----------|---|---|
| Inventory | Rental.inventory_id = inventory.inventory_id | Foreign key constraint referencing inventory.inventory_id |
| Customer | Rental.customer_id = customer.customer_id | Foreign key constraint referencing customer.customer_id |
| Staff | Rental.staff_id = staff.staff_id | Foreign key constraint referencing staff.staff_id |

Linked From

| Table | Join | Title/Name/Description |
|---------|---|---|
| Payment | Rental.rental_id = payment.rental_id | Foreign key constraint referencing rental.rental_id |

Unique keys

| Columns |
|-----------|
| Rental_id |

2.2 Dimension tables

2.2.1 inventory

| Columns | Data Type | Description |
|--------------|-------------------------------|--|
| Inventory_id | Serial | Unique identification number for each film's inventory |
| Film_id | Smallint | Unique identification number for each film |
| Store_id | Smallint | Unique identification number for each Rockbuster store |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|-------|--|---|
| Film | Inventory .film_id = film.film_id | Foreign key constraint referencing film.film_id |

Linked From

| Table | Join | Title/Name/Description |
|--------|--|---|
| Rental | Inventory .inventory_id = rental.inventory_id | Foreign key constraint referencing inventory.inventory_id |

Unique keys

| Columns |
|--------------|
| Inventory_id |

2.2.2 Film_actor

| Columns | Data Type | Description |
|-------------|-------------------------------|---|
| Actor_id | smallint | Unique identification number for each actor |
| Film_id | smallint | Unique identification number for each film |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|-------|--|---|
| Actor | Film_actor .actor_id = actor.actor_id | Foreign key constraint referencing actor.actor_id |
| Film | Film_actor .film_id = film.film_id | Foreign key constraint referencing film.film_id |

Unique keys

| Columns |
|----------|
| Actor_id |
| Film_id |

2.2.3 Film_category

| Columns | Data Type | Description |
|-------------|-------------------------------|--|
| Film_id | smallint | Unique identification number for each film |
| Category_id | smallint | Unique identification number for each category |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|----------|---|---|
| Film | film_category.film_id = film.film_id | Foreign key constraint referencing film.film_id |
| Category | film_category.category_id = category.category_id | Foreign key constraint referencing category.category_id |

Unique keys

| Columns |
|-------------|
| Film_id |
| Category_id |

2.2.4 customer

| Columns | Data Type | Description |
|-------------|-------------------------------|---|
| Customer_id | Serial | Unique identification number for each customer |
| Store_id | Smallint | Unique identification number for each Rockbuster store |
| First_name | Character varying (45) | First name of customer |
| Last_name | Character varying (45) | Last name of customer |
| email | Character varying (50) | Customer email address |
| Address_id | smallint | Unique identification number for each customers address |
| activebool | Boolean | Activity status of customer |
| Create_date | date | Date of customer account creation |
| Last_update | Timestamp(6) without timezone | Date of last update |
| active | Integer | Activity status of customer |

Links to

| Table | Join | Title/Name/Description |
|---------|---|--|
| Address | Customer .address_id = address.address_id | Foreign key constraint referencing address.address_id |

Linked From

| Table | Join | Title/Name/Description |
|---------|---|---|
| Payment | Customer .customer_id = payment.customer_id | Foreign key constraint referencing customer.customer_id |
| rental | Customer .customer_id = rental.customer_id | Foreign key constraint referencing customer.customer_id |

Unique keys

| Columns |
|-------------|
| Customer_id |

2.2.5 staff

| Columns | Data Type | Description |
|-------------|----------------------------------|---|
| Staff_id | Serial | Unique identification number for each staff member |
| First_name | Character varying (45) | First name of staff member |
| Last_name | Character varying (45) | Last name of staff member |
| Address_id | smallint | Unique identification number for each staff members address |
| email | Character varying (50) | Staff members email address |
| Store_id | smallint | Unique identification number for each Rockbuster store |
| active | Boolean | employment status of staff member |
| Username | Character varying (16) | Username for staff members account |
| Password | Character varying (40) | Password for staff members account |
| Last_update | Timestamp(6) without timezone | Date of last update |
| picture | bytea | Picture of staff member |

Links to

| Table | Join | Title/Name/Description |
|---------|--|--|
| Address | Staff .address_id = address.address_id | Foreign key constraint referencing address.address_id |

Linked From

| Table | Join | Title/Name/Description |
|---------|---|---|
| Payment | Staff .staff_id = payment.staff_id | Foreign key constraint referencing staff.staff_id |
| Rental | Staff .staff_id = rental.staff_id | Foreign key constraint referencing staff.staff_id |
| store | Staff .staff_id = store.manager_staff_id | Foreign key constraint referencing staff.staff_id |

Unique keys

| Columns |
|----------|
| Staff_id |

2.2.6 store

| Columns | Data Type | Description |
|------------------|-------------------------------|--|
| Store_id | Serial | Unique identification number for each Rockbuster store |
| Manager_staff_id | smallint | Unique identification number for each staff manager |
| Address_id | smallint | Unique identification number for each Rockbuster store address |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|---------|---|---|
| Staff | Store .manager_staff_id = staff.staff_id | Foreign key constraint referencing staff.staff_id |
| Address | Store .address_id = address.address_id | Foreign key constraint referencing address.address_id |

Unique keys

| Columns |
|----------|
| Store_id |

2.2.7 actor

| Columns | Data Type | Description |
|-------------|-------------------------------|---|
| Actor_id | serial | Unique identification number for each actor |
| First_name | Character varying (45) | First name of actor |
| Last_name | Character varying (45) | Last name of actor |
| Last_update | Timestamp(6) without timezone | Date of last update |

Linked From

| Table | Join | Title/Name/Description |
|------------|---|--|
| Film_actor | Actor .actor_id = film_actor.actor_id | Foreign key constraint referencing actor.actor_id |

Unique keys

| Columns |
|----------|
| Actor_id |

2.2.8 film

| Columns | Data Type | Description |
|------------------|-------------------------------|--|
| Film_id | serial | Unique identification number for each film |
| title | Character varying (255) | Title of movie |
| description | text | Movie description |
| Release_year | year | Year of movie release |
| Language_id | smallint | Unique identification number for each language |
| Rental_duration | Smallint | Number of days rented |
| Rental_rate | Numeric (4,2) | Price per rental |
| length | Smallint | Movie length |
| Replacement_cost | Numeric (5,2) | Cost of replacing movie |
| Rating | Mpaa_rating | Movie rating |
| Last_update | Timestamp(6) without timezone | Date of last update |
| Special features | Text[] | Additional material related to movie |
| fulltext | tsvector | Normalized words related to movie |

Links to

| Table | Join | Title/Name/Description |
|----------|--|---|
| Language | Film .language_id = language.language_id | Foreign key constraint referencing language.language_id |

Linked From

| Table | Join | Title/Name/Description |
|---------------|---|--|
| Film_Actor | Film .film_id = film_actor.film_id | Foreign key constraint referencing film.film_id |
| Inventory | Film .film_id = inventory.film_id | Foreign key constraint referencing film.film_id |
| Film_category | Film .film_id = film_category.film_id | Foreign key constraint referencing film.film_id |

Unique keys

| Columns |
|---------|
| Film_id |

2.2.9 category

| Columns | Data Type | Description |
|-------------|----------------------------------|--|
| Category_id | serial | Unique identification number for each category |
| Name | Character varying(25) | Category name |
| Last_update | Timestamp(6) without timezone | Date of last update |

Linked From

| Table | Join | Title/Name/Description |
|---------------|---|---|
| Film_category | Category .category_id = film_category.category_id | Foreign key constraint referencing category.category_id |

Unique keys

| Columns |
|-------------|
| Category_id |

2.2.10 language

| Columns | Data Type | Description |
|-------------|-------------------------------|--|
| language_id | serial | Unique identification number for each language |
| Name | Character varying(20) | Language name |
| Last_update | Timestamp(6) without timezone | Date of last update |

Linked From

| Table | Join | Title/Name/Description |
|-------|---|---|
| Film | Language. language_id = film.language_id | Foreign key constraint referencing language.language_id |

Unique keys

| Columns |
|-------------|
| Language_id |

2.2.11 address

| Columns | Data Type | Description |
|-------------|-------------------------------|---|
| address_id | Serial | Unique identification number for each address |
| address | Character varying (50) | Address of location |
| Address2 | Character varying (50) | Additional space for address |
| district | Character varying (20) | Address district |
| City_id | smallint | Unique identification number for each city |
| Postal_code | Character varying (10) | Address postal code |
| phone | Character varying (20) | Phone number associated to address |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|-------|--|---|
| city | Address. city_id = city.city_id | Foreign key constraint referencing city.city_id |

Linked From

| Table | Join | Title/Name/Description |
|----------|--|---|
| Customer | Address. address_id = customer.address_id | Foreign key constraint referencing address.address_id |

| | | |
|-------|---|--|
| Staff | Address.address_id = staff.address_id | Foreign key constraint referencing address.address_id |
| Store | Address.address_id = store.address_id | Foreign key constraint referencing address.address_id |

Unique keys

| Columns |
|------------|
| Address_id |

2.2.12 city

| Columns | Data Type | Description |
|-------------|----------------------------------|---|
| City_id | Serial | Unique identification number for each city |
| city | Character varying (50) | Name of city |
| country_id | smallint | Unique identification number for each country |
| Last_update | Timestamp(6) without timezone | Date of last update |

Links to

| Table | Join | Title/Name/Description |
|---------|--|--|
| country | City.country_id = country.country_id | Foreign key constraint referencing country.country_id |

Linked From

| Table | Join | Title/Name/Description |
|---------|---------------------------------------|--|
| Address | City.city_id = address.city_id | Foreign key constraint referencing city.city_id |

Unique keys

| Columns |
|---------|
| City_id |

2.2.13 country

| Columns | Data Type | Description |
|-------------|----------------------------------|---|
| country_id | Serial | Unique identification number for each country |
| country | Character varying (50) | Name of country |
| Last_update | Timestamp(6) without timezone | Date of last update |

Linked From

| Table | Join | Title/Name/Description |
|-------|---|--|
| City | Country .country_id = city.country_id | Foreign key constraint referencing country.country_id |

Unique keys

| Columns |
|------------|
| Country_id |