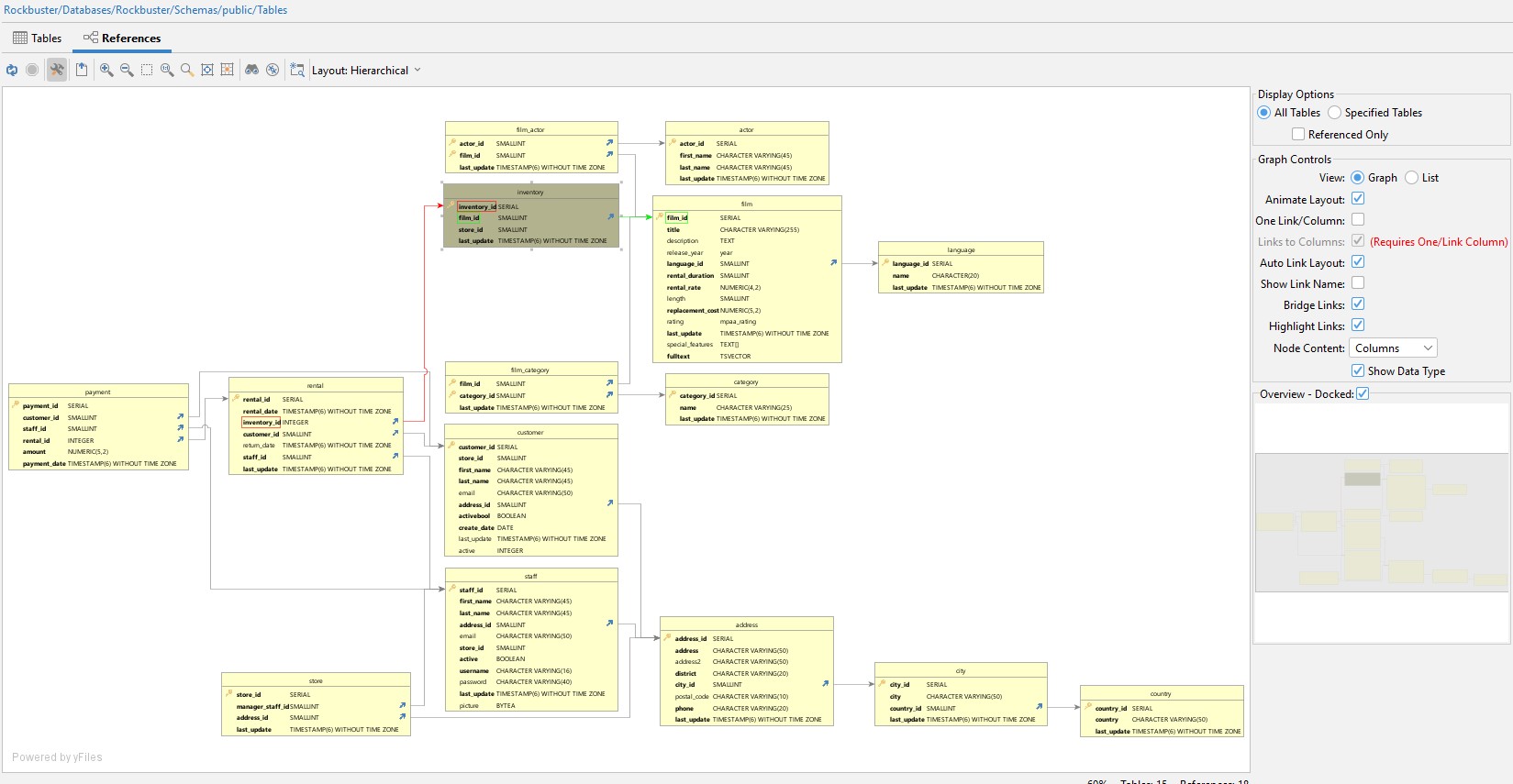
ROCKBUSTER DATA DICTIONARY



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# Fact Tables:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table name | name |  | Columns | Data Type | Description |
| Payment | | Payment\_id | SERIAL | Payment ID |
| customer\_id | SMALLINT | Customer ID |
| Table p-key | Payment\_id | staff\_id | SMALLINT | Staff ID |
| Table foreign key | customer\_id  staff\_id  rental\_id | rental\_id | INTEGER | Rental ID |
| Table from | x | amount | NUMERIC (5,2) | Amount of money |
| Table to | rental, customer, staff | payment\_date | TIMESTAMP(6)  WITHOUT TIME ZONE | Payment date and  time |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table name | name |  | Columns | Data Type | Description |
| Rental | | rental\_id | SERLIAL | Rental ID |
| rental\_date | TIME STAMP (6)  WITHOUT TIME ZONE | Rental date and time |
| Table p-key | Rental\_id | inventory\_id | INTEGER | Inventory ID |
| Table foreign key | Inventory\_id,customer\_id,staff\_id | customer\_id | SMALLINT | Customer ID |
| Table from | Payment | return\_date | TIME STAMP (6)  WITHOUT TIME ZONE | Return date and time |
| Table to | Inventory, customer, staff | staff\_id | SMALLINT | Staff ID |
|  |  | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Last update Date and  time |

# Dimension Tables:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table name | name |  | Columns | Data Type | Description |
| Store | |  | store\_id | SERIAL | Store ID |
| Table p-key | Store\_id |  | manager\_staff\_id | SMALLINT | Manager staff ID |
| Table foreign key | Manger\_staff\_id, address\_id |  | address\_id | SMALLINT | Address ID |
| Table from | X |  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Date and time last update |
| Table to | Staff, address |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Staff | | staff\_id | SERIAL | Staff ID |
| Table p-key | Staff\_id | first\_name | CHARACTER  VARYING(45) | First name |
| Table foreign key | Address\_id | last\_name | CHARACTER  VARYING(45) | Last name |
| Table from | Payment, rental, store | address\_id | SMALLINT | Address ID |
| Table to | address | email | CHARACTER  VARYING(50) | Email address |
|  |  | store\_id | SMALLINT | Store ID |
|  |  | active | BOOLEAN | active |
|  |  | username | CHARACTER  VARYING(16) | Username |
|  |  | password | CHARACTER  VARYING(40) | Password |
|  |  | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
|  |  | picture | BYTEA | picture |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Customer | | customer\_id | SERIAL | Customer ID |
| Table p-key | customer\_id | store\_id | SMALLINT | Store ID |
| Table foreign key | Address\_id | first\_name | CHARACTER VARYING  (45) | First name |
| Table from | payment | last\_name | CHARACTER VARYING  (45) | Last name |
| Table to | address | email | CHARACTER VARYING  (50) | Email address |
|  |  | address\_id | SMALLINT | Address ID |
|  |  | activebool | BOOLEAN | Acrivebool |
|  |  | create\_date | DATE | Date |
|  |  | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date |
|  |  | active | INTEGER | active |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Film\_category | | film\_id | SMALLINT | Film ID |
| Table p-key | film\_id, category\_id | category\_id | SMALLINT | Category ID |
| Table foreign key | x | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
| Table from | x |  |  |  |
| Table to | Film, category |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Inventory | | inventory\_id | SERIAL | Inventory ID |
| Table p-key | inventory\_id | film\_id | SMALLINT | Film ID |
| Table foreign key | film\_id | store\_id | SMALLINT | Store ID |
| Table from | Rental | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Date and time last update |
| Table to | film |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Film\_actor | | actor\_id | SMALLINT | Actor ID |
| Table p-key | actor\_id, film\_id | film\_id | SMALLINT | Film ID |
| Table foreign key | x | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
| Table from | x |  |  |  |
| Table to | Actor, film |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Actor | | actor\_id | SERIAL | Actor ID |
| Table p-key | Actor\_id | first\_name | CHARACTER VARYING  (45) | First name |
| Table foreign key | X | last\_name | CHARACTER VARYING  (45) | Last name |
| Table from | Film\_actor | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date time lasts update |
| Table to | x |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Film | | film\_id | Serial | Film ID |
| Table p-key | film\_id | title | Character Varying  (255) | Title |
| Table foreign key | language\_id | description | TEXT | Description |
| Table from | film\_category,inventory film\_actor | release\_year | Year | Year of release |
| Table to | language | language\_id | SMALLINT | Langauage ID |
|  |  | rental\_duration | SMALLINT | Rental duration |
|  |  | rental\_rate | NUMERIC (4,2) | Rental rate amount |
|  |  | length | SMALLINT | Movie length |
|  |  | replacement\_cost | NUMERIC(5,2) | Replacement cost  amount |
|  |  | rating | Mpaa\_rating | Rating |
|  |  | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
|  |  | special\_features | TEXT[] | Special features |
|  |  | fulltext | TSVECTOR | Full text |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Category | | category\_id | SERIAL | Category ID |
| Table p-key | category\_id | name | CHARACTER  VARYING(25) | Name |
| Table foreign key | x | last\_update | Timestamp(6)  WITHOUT time zone | Date and time last  update |
| Table from | film\_category |  |  |  |
| Table to | x |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Address | | address\_id | SERIAL | Address ID |
| Table p-key | address\_id, | address | CHARACTERS  VARYING (50) | Addres main |
| Table foreign key | city\_id | address2 | CHARACTERS  VARYING (50) | Secondary address |
| Table from | Store, staff, custsomer | district | CHARACTERS  VARYING (20) | District |
| Table to | city | city\_id | SMALLINT | City ID |
|  |  | postal\_code | CHARACTERS  VARYING (10) | Postal code |
|  |  | phone | CHARACTERS  VARYING (20) | Phone number |
|  |  | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Language | | language\_id | SERIAL | Language ID |
| Table p-key | language\_id | name | CHARACTER (20) | Name |
| Table foreign key | x | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
| Table from | film |  |  |  |
| Table to | x |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| City | | city\_id | SERIAL | City ID |
| Table p-key | city\_id | city | CHARACTERS  VARYING (50) | city |
| Table foreign key | country\_id | country\_id | SMALLINT | Country ID |
| Table from | address | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
| Table to | country |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name | name | Columns | Data Type | Description |
| Country | | country\_id | SERIAL | Country ID |
| Table p-key | country\_id | country | CHARACTER VARYING  (50) | Country name |
| Table foreign key | x | last\_update | TIMESTAMP (6)  WITHOUT TIME ZONE | Date and time last  update |
| Table from | city |  |  |  |
| Table to | x |  |  |  |