Rockbuster

Data Dictionary

12-9-2022

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Rockbuster

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive

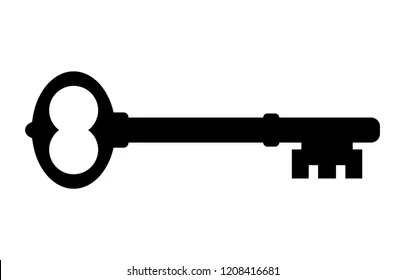
Data Set

[Download the Rockbuster data set](http://www.postgresqltutorial.com/wp-content/uploads/2019/05/dvdrental.zip)

[Download PostgreSQL Database](https://www.enterprisedb.com/downloads/postgres-postgresql-downloads) (for Windows, macOS X, and Linux)

Legend

 Primary Key

Unique Key

Tables

**Payment**

|  | Column Name | Data Type | Description |
| --- | --- | --- | --- |
|  | Payment\_id | Serial | Payment id number |
|  | customer\_id | Smallint | Customer id number |
|  | staff\_id | smallint | Staff id number |
|  | rental\_id | Integer | Rental id number |
|  | amount | Numeric(5,2) | Amount value USD |
|  | payment\_date | timestamp(6) | Payment date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| rental.customer\_id |
| customer.customer\_id |
| rental.rental\_id |
| staff.staff\_id |

**Rental**

|  | Column Name | Data Type | Description |
| --- | --- | --- | --- |
|  | rental\_id | Serial | Rental id number |
|  | rental\_date | Timestamp(6) | Rental date and time (without time zone) |
|  | inventory\_id | Integer | Inventory id number |
|  | customer\_id | Smallint | Customer id number |
|  | return\_date | Timestamp(6) | Return date and time (without time zone) |
|  | staff\_id | Smallint | Staff id |
|  | last\_update | Timestamp(6) | Last update and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| inventory.inventory\_id |
| customer.customer\_id |
| staff.staff\_id |

Links from

|  |
| --- |
| Table.join |
| payment.rental\_id |
| payment.customer\_id |
| payment.staff\_id |

**Store**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | Store\_id | Serial | Store id number |
|  | Manager\_staff\_id | Smallint | Manager staff id number |
|  | address\_id | smallint | Address id number |
|  | last\_update | Timestamp(6) | Last update date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| store.manager\_staff\_id=staff.staff\_id |
| address.address\_id |

**Inventory**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | inventory\_id | serial | Inventory id number |
|  | film\_id | smallint | Film id number |
|  | store\_id | smallint | Store id number |
|  | last\_update | Timestamp(6) | Last update date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| film.film\_id |

Links from

|  |
| --- |
| Table.join |
| rental.inventory\_id |

**Customer**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | customer\_id | serial | Customer id number |
|  | store\_id | Smallint | Store id number |
|  | first\_name | Character Varying (45) | First name |
|  | last\_name | Character Varying (45) | Last name |
|  | email | Character varying (50) | email |
|  | address\_id | smallint | Address id number |
|  | activebool | boolean | activebool |
|  | create\_date | date | Create date date and time (without time zone) |
|  | last\_update | timestamp | Last update date and time (without time zone) |
|  | active | integer | active |

Links to

|  |
| --- |
| Table.join |
| address.address\_id |

Links from

|  |
| --- |
| Table.join |
| payment.customer\_id |
| rental.customer\_id |

**Staff**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | staff\_id | serial | Staff id number |
|  | first\_name | Character Varying (45) | First name |
|  | last\_name | CHaracter Varying (45) | Last name |
|  | address\_id | Smallint | Address id number |
|  | email | Character Varying (45) | email |
|  | store\_id | Smallint | Store id number |
|  | active | Boolean | active |
|  | username | Character Varying (16) | Staff username |
|  | password | Character Varying (40) | password |
|  | last \_update | timestamp | last update date and time (without time zone) |
|  | picture | Bytea | Picture of employee |

Links to

|  |
| --- |
| Table.join |
| address.address\_id |

Links from

|  |
| --- |
| Table.join |
| store.manager\_staff\_id |
| rental.staff\_id |
| payment.staff\_id |

**Film\_category**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | film\_id | smallint | Film id number |
|  | category\_id | smallint | Category id number |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| category.cartegory\_id |
| film.film\_id |

**Film\_actor**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | actor\_id | smallint | Actor id number |
|  | film\_id | smallint | Film id number |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links to

| Table.join |
| --- |
| film.film\_id |
| actor.actor\_id |

**Actor**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | actor\_id | Serial | Actor id number |
|  | first\_name | Character Varying (45) | First name |
|  | last\_name | Character Varying (45) | Last name |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links from

|  |
| --- |
| Table.join |
| film\_actor.actor\_id |

**Film**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | film\_id | Serial | Film id number |
|  | title | Character Varying (255) | Title of movie |
|  | description | text | Description of movie |
|  | release\_year | year | Release year |
|  | language\_id | smallint | Language id number |
|  | rental\_duration | smallint | Rental duration (days) |
|  | rental\_rate | numeric(5,2) | Rental rate USD |
|  | length | smallint | Length of movie |
|  | replacement\_cost | numeric(5,2) | Replacement cost USD |
|  | rating | mpaa\_rating | rating |
|  | last\_update | timestamp | Last update date and time (without time zone) |
|  | special\_features | text | Special features |
|  | fulltext | tsvector | fulltext |

Links to

|  |
| --- |
| Table.join |
| language.language\_id |

Links from

|  |
| --- |
| Table.join |
| inventory.film\_id |

**Category**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | category\_id | serial | Category id number |
|  | name | Character Varying (25) | name |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links from

|  |
| --- |
| Table.join |
| film\_category.category\_id |

**Address**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | address\_id | Serial | Address id number |
|  | address | Character Varying (50) | Primary address |
|  | address2 | Character Varying (50) | Secondary address |
|  | district | Character Varying (20) | district |
|  | city\_id | smallint | City id number |
|  | postal\_code | Character Varying (10) | Postal code |
|  | phone | Character Varying (20) | Phone number |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| city.city\_id |

Links from

|  |
| --- |
| Table.join |
| store.address\_id |
| staff.address\_id |
| customer.address\_id |

**Language**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | language\_id | serial | Language id number |
|  | name | Character(20) | Name of language |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links from

|  |
| --- |
| Table.join |
| film.language\_id |

**City**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | city\_id | serial | City id number |
|  | city | Character Varying(50) | City name |
|  | country\_id | smallint | Country id number |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links to

|  |
| --- |
| Table.join |
| country.country\_id |

Links from

|  |
| --- |
| Table.join |
| address.city\_id |

**Country**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Column Name | Data Type | Description |
|  | country\_id | serial | Country id number |
|  | country | Character Varying(50) | Country name |
|  | last\_update | timestamp | Last update date and time (without time zone) |

Links from

|  |
| --- |
| Table.join |
| city.country\_id |

ERD