

ROCKBUSTER

STEALTH LLC

Data

Dictionary

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## Rockbuster Stealth LLC

Rockbuster Stealth is a video rental company whose platform was originally location based with stores across the globe. They have been considering moving into the streaming platform for easier access and expansion.

This data dictionary includes transactions recorded and used with a PostgreSQL database.

### DATA SET:

<http://www.postgresqltutorial.com/wp-content/uploads/2019/05/dvdrental.zip>

# Entity Relationship Diagram



\*Database is a snowflake schema that recorded events of Rentals and Payments diagrammed as fact tables. Dimension tables surrounding these fact tables contain information about these events. These events are recorded from the film rental company Rockbuster Stealth.

## Fact Tables

Payment Table		
Column	Data type	Description
Payment_id	Serial	Unique payment number/Surrogate primary key
Customer_id	Smallint	Unique customer number/Foreign key that links to customer table
Rental_id	Smallint	Unique number of rental/Foreign key that links to staff table
Staff_id	Integer	Unique number of staff member/Foreign key that links to rental table
Amount	numeric	recorded payment
payment_date	timestamp	date recorded of transaction

Rental Table		
<u>Rental_id</u>	<u>Serial</u>	<u>Unique number of rental/Surrogate primary key</u>
<u>Rental_date</u>	<u>timestamp</u>	<u>Date recorded of transaction</u>
<u>Inventory_id</u>	<u>Integer</u>	<u>Unique number of inventory item/Foreign key to inventory table</u>
<u>Customer_id</u>	<u>Smallint</u>	<u>Unique number of customer/Foreign key to customer table</u>
<u>Staff_id</u>	<u>smallint</u>	<u>Unique number of staff member/Foreign key to staff table</u>
<u>Last_update</u>	<u>Timestamp</u>	<u>Recorded time of last update</u>

## Dimension Tables

Store		
Store_id	Serial	Uniques number of store/Surrogate primary key
Manager_staff_id	Smallint	Unique number of manager/Foreign key to staff table
Address_id	Smallint	Store address/ Foreign key to address table
Last_update	Timestamp	Recorded time of last update

Film_actor		
Actor_id	Smallint	Identifies individual actor/foreign key to actor table
Film_id	Smallint	Identifies individual film/foreign key to film table
Last_update	Timestamp	Recorded time of last update

Inventory		
Inventory_id	Serial	Unique id for each movie
Film_id	Smallint	Unique number of a movie/ Foreign key to film table
Store_id	smallint	Unique number of store that has film

Film_catagory		
Film_id	Smallint	Unique number of a movie/ Foreign key to film table
Category_id	Smallint	Identifies the genre of a movie/ Foreign key to category table
Last_update	Timestamp	Recorded time of last update

Customer		
Customer_id	Serial	Unique key for each individual customer
Store_id	Smallint	Unique id of each store
First_name	Varchar	First name of customer
Last_name	Varchar	Last name of customer
Email	Varchar	Email address of customer
Address_id	Smallint	Foreign key to address table
Activebool	Boolean	
Create_date	Date	Date person 1 <sup>st</sup> became a customer
Last_update	Timestamp	Recorded time of last update
Active	Integer	If customer is active or not

Staff		
Staff_id	Serial	Primary key that identifies each staff member
First_name	Varchar	First name of staff member
Last_name	Varchar	Last name of staff member
Address_id	Small int	Address of staff member/ foreign key to address table
Email	Varchar	Email of individual staff member
Store_id	Smallint	Store that staff member works at
Active	Boolean	Whether staff member still works at store
Username	Varchar	Staff username
Password	Varchar	Staff password
Last_update	Timestamp	Recorded time of last update
Picture	Bytea	Picture of staff member

Actor		
Actor_id	Serial	Primary key to id each actor
First_name	Varchar	First name of actor
Last_name	Varchar	Last name of actor
Last_update	Timestamp	Recorded time of last update

Film		
Film_id	Serial	Primary key of each film
Title	Varchar	Film title
Description	Text	Film description
Release_year	Year	Year film was released
Language_id	Smallint	Language film is in/ foreign key to language table
Rental_duration	Smallint	How long film was rented for
Rental_rate	Numeric	Cost of rental per period of time

Category		
Category_id	Serial	Primary key to id category of each film
Name	Varchar	Category name
Last_update	Timestamp	Recorded time of last update

Address		
Address_id	Serial	Primary key for each individual address
Address	Varchar	Actual address
Address2	Varchar	Extended address
District	varchar	Address district
City_id	Smallint	City address is located in/ foreign key to city table



Language		
Language_id	Serial	Primary key for each language
Name	Varchar	Language name
Last_update	Timestamp	Recorded time of last update

City		
City_id	Serial	Primary key to identify the city
City	Varchar	City name
Country_id	Smallint	Country nme/ foreign key to country table
Last_update	Timestamp	Recorded time of last update

Country		
Country_id	Serial	Primary key to identify country
Country	Varchar	Country name
Last_update	Timestamp	Recorded time of last update