



Rockbuster Stealth LLC

Data Dictionary
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1. Rockbuster Stealth LLC

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.

The Rockbuster Stealth company has a very large and complex database which includes information about movies, customers, geographic regions, staff and other.

2. Entity Relationship Diagram







3. Fact Tables

Primary Key: 

Foreign Key: 

Columns:

Payment		
Column	Data Type	Description
payment_id 	SERIAL	Unique payment identifier
customer_id 	SMALLINT	Unique customer identifier
staff_id 	SMALLINT	Unique staff identifier
rental_id 	INTEGER	Unique rental identifier
amount	INTEGER(5,2)	Amount of payment received
paymet_date	TIME STAMP(6) WITHOUT TIME ZONE	Date of payment (of the customer), without a time zone



Links to:



Table	Join	Description
Customer	Payment.customer_id = Customer_id	Foreign key Reference to the Customer table
Rental	Payment.Rental_id = Rental.rental_id	Foreign key Reference to the Customer table
Staff	Payment.staff_id = Staff.staff_id	Foreign key Reference to the Customer table

Links From:





The payment table does not link to any table.

Unique Keys:

Column	Key Type	Description
Payment_id	Primary key 	Unique Identifier for Payment
Customer_id	Foreign Key 	Unique Identifier for Customer

Staff_id	Foreign Key 	Unique Identifier for a staff member
Rental_id	Foreign Key 	Unique Identifier for a movie rental

Columns:

Rental		
Column	Data Type	Description
rental_id 	SERIAL	Unique rental identifier
Rental_date	TIME STAMP(6) WITHOUT TIME ZONE	Time and date of rental without timezone.
inventory_id 	INTEGER	Unique inventory identifier
customer_id 	SMALLINT	unique customer identifier
return_date	TIME STAMP(6) WITHOUT TIME ZONE	Time and date of return
staff_id 	SMALLINT	Unique staff identifier
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Time and date of last update without timezone.





Links to:

Table	Join	Description
Customer	Rental.Customer_id = Customer.Customer_id	Foreign key Reference to the Customer table
Inventory	Rental.inventory_id = Inventory.inventory_id	Foreign key Reference to the Inventory table
Staff	Rental.staff_id = Rental.staff_id	Foreign key Reference to the Staff table

Link From:


Table	Join	Description
Payment	Rental.Payment_id = Payment.rental_id	Foreign key Reference to the Payment table

Unique Keys:

Column	Key Type	Description
Rental_id	Primary Key 	Unique Identifier for Rental
Inventory_id	Foreign Key 	Unique Identifier for Inventory
Customer_id	Foreign Key 	Unique Identifier for Customer
Staff_id	Foreign Key 	Unique Identifier for a staff member

4. Dimension Tables

Columns:

Actor		
Column	Data Type	Description
actor_id 	SERIAL	Unique actor identifier
first_name	CHARACTER VARYING (45)	First name of actor
last_name	CHARACTER VARYING (45)	Last name of actor
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of actor profile

Links to:


This Table does not links to any Table.

Links From:



Table	Join	Description

Film_actor	Actor.actor_id = Film_actor.actor_id	Foreign key Reference to the film_actor table

Unique Keys:

Column	Key Type	Description
Actor_id	Primary Key 	Unique Identifier for an Actor

Column:

Address		
Column	Data Type	Description
address_id 	SERIAL	Unique address identifier
address	CHARACTER VARYING (50)	Name of address
Address2	CHARACTER VARYING (50)	Second line of address
district	CHARACTER VARYING (20)	Name of district
city_id 	SMALLINT	unique city identifier
postal_code	CHARACTER VARYING (10)	Postal code for address
phone	CHARACTER VARYING (20)	Phone number for address
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of address

Links to:



Table	Join	Description
City	Address.city_id = City.city_id	Foreign key Reference to the City table

Links From:


Table	Join	Description

Customer	Address.address_id = Customer.address_id	Foreign key Reference to the Customer table
Staff	Address.address_id = Staff.address_id	Foreign key Reference to the Staff table
Store	Address.address_id = Store.address_id	Foreign key Reference to the Store table

Unique Keys:

Column	Key Type	Description
Address_id	Primary Key 	Unique Identifier for an Address
City_id	Foreign Key 	Unique Identifier for a city

Columns:

Category		
Column	Data Type	Description
category_id 	SERIAL	Unique category identifier
Name	CHARACTER VARYING (25)	Name of category
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of category


Links to:

This table does not links to any Table.



Links From:

Table	Join	Description
Film_category	Category.category_id = Film_category.category_id	Foreign key Reference to the film_category table

Unique Keys:

Column	Key Type	Description
category_id	Primary Key 	Unique Identifier for a category

Columns:

City		
Column	Data Type	Description
city_id 	SERIAL	Unique city identifier
City	CHARACTERVARYING(50)	Name of city
country_id 	SMALLINT	Unique identifier of country
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of city



Links to:

Table	Join	Description
Country	City.country_id = Country.country_id	Foreign key reference to the country table


Links From:

Table	Join	Description
Address	City.city_id = Address.city_id	Foreign key reference to the Address table

Unique Keys:

Column	Key Type	Description
City_id	Primary Key 	Unique identifier for a City
Country_id	Foreign Key 	Unique identifier for a Country

Columns:

Country		
Column	Data Type	Description
country_id 	SERIAL	Unique country identifier
Country	CHARACTERVARYING(50)	Name of the country
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of country


Links to:

The country Table does not link to any table.


Links From:


Table	Join	Description
City	Country.country_id = City.country_id	Foreign key reference to the City table

Unique Keys:

Column	Key Type	Description
Country_id	Primary Key 	Unique identifier for a Country

Columns:

Customer		
Column	Data Type	Description
customer_id 	SERIAL	Unique customer identifier
store_id	SMALLINT	Unique store identifier

Customer		
first_name	CHARACTER VARYING (45)	First name of customer
last_name	CHARACTER VARYING (45)	Last name of customer
email	CHARACTER VARYING (45)	Customer email address
address_id 	SMALLINT	Unique identifier of address
activebool	BOOLEAN	Status whether customer is active or not
create_date	DATE	Date of customer profile creation
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of customer profile
active	INTEGER	Active status represented by 1 or 0



Links to:

Table	Join	Description
Address	Customer.address_id = Address.address_id	Foreign key reference to the Address table



Links From:

Table	Join	Description
Payment	Customer.customer_id = Payment.customer_id	Foreign key reference to the Payment table
Rental	Customer.customer_id = Rental.customer_id	Foreign key reference to the Rental table

Unique Keys:

Column	Key Type	Description
Column_id	Primary Key 	Unique identifier for a Customer
Address_id	Foreign Key 	Unique identifier for an Address

Columns:

Film		
Column	Data Type	Description
film_id 	SERIAL	Unique film identifier
Title	CHARACTER VARYING (255)	Title of film
Description	TEXT	Description of film
release_year	YEAR	Release year of film
language_id 	SMALLINT	Uniques identifier of language of film
rental_duration	SMALLINT	Duration of rental
rental_rate	NUMERIC(4,2)	Cost of rental
Length	SMALLINT	Length of film
Replacement_cost	NUMERIC(5,2)	Cost of replacement
Rating	mpaa_rating	Rating of film
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of film
special_features	TEXT()	Special feature of film
Fulltext	TSVECTOR	full text index; info about significant words and their location



Links to:

Table	Join	Description
Language	Film.language_id = Language.language_id	Foreign key reference to the Language table



Links From:

Table	Join	Description
Film_actor	Film.film_id = Film_actor.film_id	Foreign key reference to the Film_actor table
Inventory	Film.film_id = Inventory.film_id	Foreign key reference to the Inventory table
Film_category	Film.film_id = Film_category.film_id	Foreign key reference to Film_category table

Unique Keys:

Column	Key Type	Description
Film_id	Primary Key 	Unique identifier for a Film
Language_id	Foreign Key 	Unique identifier for a Language

Columns:

Film actor		
Column	Data Type	Description
actor_id 	SMALLINT	Unique actor identifier
film_id 	SMALLINT	Unique film identifier
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of film actor



Links to:

Table	Join	Description
Language	Film.language_id = Language.language_id	Foreign key reference to the Language table



Links From:

This Film_actor Table does not link to any Table.

Unique Keys:

Column	Key Type	Description
Actor_id	Primary Key 	Unique identifier for an Actor
Film_id	Foreign Key 	Unique identifier for a Film

Columns:

Film category		
Column	Data Type	Description
film_id 	SMALLINT	Unique film identifier
category_id 	SMALLINT	Unique category identifier
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of inventory



Links to:

Table	Join	Description
Film	Film_category.film_id = Film.film_id	Foreign key reference to the Film table
Category	Film_category.category_id = Category.category_id	Foreign key reference to the Category table



Links From:

This Film_category Table does not link to any Table.

Unique Keys:

Column	Key Type	Description
Film_id	Primary Key 	Unique identifier for a Film
Category_id	Foreign Key 	Unique identifier for a Category

Columns:

Inventory		
Column	Data Type	Description
inventory_id 	SERIAL	Unique inventory identifier
film_id 	SMALLINT	Unique film identifier
store_id	SMALLINT	Unique store identifier
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of inventory



Links to:

Table	Join	Description
Film	Inventory.film_id = Film.film_id	Foreign key reference to the Film table


Links From:

Table	Join	Description
Rental	Inventory.inventory_id = Rental.inventory_id	Foreign key reference to the Rental table

Unique Keys:

Column	Key Type	Description
Inventory_id	Primary Key 	Unique identifier for an Inventory
Film_id	Foreign Key 	Unique identifier for a Film

Columns:

Language		
Column	Data Type	Description
language_id 	SERIAL	Unique language identifier
Name	CHARACTER(20)	Name of language of film
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of language


Links To:

This Language Table does not link to any Table.



Links From:

Table	Join	Description
Film	Language.language_id = Film.language_id	Foreign key reference to the Film table

Unique Keys:

Column	Key Type	Description
Language_id	Primary Key 	Unique identifier for Language

Columns:

Staff		
Column	Data Type	Description
staff_id 	SERIAL	Unique staff member identifier
first_name	CHARACTER VARYING (45)	First name of staff member
last_name	CHARACTER VARYING (45)	Last name of staff member
email	CHARACTER VARYING (45)	Staff member email address
address_id 	SMALLINT	Unique identifier of address
store_id	SMALLINT	Unique store identifier
active	BOOLEAN	Status whether staff is currently employed or not
username	CHARACTER VARYING (16)	Username of staff member
password	CHARACTER VARYING (40)	Password for username of staff member
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of staff member profile
picture	BYTEA	Picture of staff member



Links to:

Table	Join	Description
Address	Staff.address_id = Address.address_id	Foreign key reference to the Address table




Links From:

Table	Join	Description
Rental	Staff.staff_id = Rental.staff_id	Foreign key reference to the Rental table
Payment	Staff.staff_id = Payment.staff_id	Foreign key reference to the Payment table
Store	Staff.staff_id = Store.store_id	Foreign key reference to the Store table

Unique Keys:

Table	Join	Description
Staff_id	Primary Key 	Unique identifier for a Staff
Address_id	Foreign Key 	Unique identifier for an Address

Columns:

Store		
Column	Data Type	Description
store_id 	SERIAL	Unique store of identifier
manager_staff_id 	SMALLINT	Unique staff manager identifier
address_id 	SMALLINT	Unique address of store
last_update	TIME STAMP(6) WITHOUT TIME ZONE	Last update of store profile




Links to:

Table	Join	Description
Address	Staff.address_id = Address.address_id	Foreign key reference to the Address table
Staff	Store.manager_staff_id = Staff.staff_id	Foreign key reference to Staff table

Links From:

The Store Table does not link to any Table.

Unique Keys:

Column	Key Type	Description
Store_id	Primary Key 	Unique identifier for a Store
manager_staff_id	Foreign Key 	Unique identifier for staff Manager
Address_id	Foreign Key 	Unique Identifier for Staff an address