Rockbuster Stealth LLC

Data Dictionary
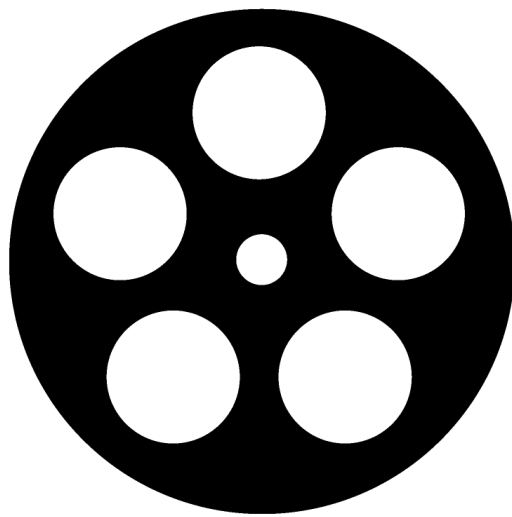
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Rockbuster Stealth LLC

Rockbuster Stealth LLC is a movie rental company that has stores around the world. The database they have on its existing movie license's is being used to develop a new online video service for competition.

You can download Rockbuster Stealth database here:

Rockbuster Database

Fact Tables

Table: Payment

Columns

Columns	Data Type	Description
payment_id	serial	ID of payment
customer_id	small int	ID of customer
staff_id	small int	ID of staff
rental_id	integer	ID of movie rental
amount	numeric (5,2)	Amount of payment received
payment_date	Timestamp (6) without Time Zone	Date of payment

Links To

Table	Join	Description
Customer	Payment.customer_id = Customer.customer_id	Foreign Key reference to customer table
Staff	Payment.staff_id = Staff.staff_id	Foreign Key reference to staff table
Rental	Payement.rental_id = Rental.rental_id	Foreign Key reference to rental table

Links From

The payment table doesn't link from any other 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 staff
Rental_id	Foreign Key	Unique identifier for rental

Table: Rental

Columns

Columns	Data Type	Description
rental_id	serial	ID of rental
rental_date	Timestamp (6) without Time Zone	Date of movie rental
inventory_id	integer	ID of inventory
customer_ID	small int	ID of customer
return_date	Timestamp (6) without Time Zone	Date of rental movie returned
payment_date	Timestamp (6) without Time Zone	Date of payment
staff_id	small int	ID of staff
last_update	Timestamp (6) without Time Zone	Last update of rental

Links To

Table	Join	Description
Inventory	Rental.inventory_id = Inventory.inventory_id	Foreign Key reference to inventory table
Customer	Rental.customer_id = Customer.customer_id	Foreign Key reference to customer table
Rental	Rental.staff_id = Staff.staff_id	Foreign Key reference to staff table

Links From

Table	Join	Description
Payment	Rental.rental_id = Payment.payment_id	Foreign Key reference to 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 staff

Dimensions Table

Table: Actor

Columns

Columns	Data Type	Description
actor_id	serial	ID of actor
first_name	Character Varying (45)	First name of actor
last_name	Character Varying (45)	Last name of actor
last_update	Timestamp (6) without Time Zone	Last update of actor

Links To

The actor table does not link to any other tables.

Links From

Table	Join	Description
Film_actor	Actor.actor_id = Film_actor.actor_id	Foreign Key reference to film_actor table

Unique Keys

Column	Key Type	Description
Actor_id	Primary Key	Unique identifier for actor

Table: Address

Columns

Columns	Data Type	Description
address_id	serial	ID of address
address	Character Varying (50)	string of 1st line of address
address2	Character Varying (50)	string of 2nd line of address
district	Character Varying (20)	string of district
city_id	small int	Id of city
postal_code	Character Varying (10)	string of postal code
phone	Character Varying (20)	string of phone number
last_update	Timestamp (6) without Time Zone	Last update of address

Links To

Table	Join	Description
City	Address.city_id = city_id	Foreign Key reference to city table

Links From

Table	Join	Description
Customer	Address.address_id = customer.address_id	Foreign Key reference to customer table
Staff	Address.address_id = staff.address_id	Foreign Key reference to staff table
Store	Address.address_id = store.address_id	Foreign Key reference to store table

Unique Keys

Column	Key Type	Description
Address_id	Primary Key	Unique identifier for address
City_id	Foreign Key	Unique identifier for city

Table: Category

Columns

Columns	Data Type	Description
category_id	serial	Id of category
name	Character Varying (25)	name of category
last_update	Timestamp (6) without Time Zone	Last update of category

Links To

The category table does not link to any other tables.

Links From

Table	Join	Description
Film_category	Category.category_id = film_category.category_id	Foreign Key reference to film_category table

Unique Keys

Column	Key Type	Description
Category_id	Primary Key	Unique identifier for category

Table: City

Columns

Columns	Data Type	Description
city_id	serial	ID of city
city	Character Varying (50)	string of city name
country_id	small int	ID of country
last_update	Timestamp (6) without Time Zone	Last update of city

Links To

Table	Join	Description
Country	City.country_id = country.country.id	Foreign Key reference to country table

Links From

Table	Join	Description
Address	City.city_id = address.city_id	Foreign Key reference to address table

Unique Keys

Column	Key Type	Description
City_id	Primary Key	Unique identifier for city
Country_id	Foreign Key	Unique identifier for country

Table: Country

Columns

Columns	Data Type	Description
country_id	serial	Id of country
country	Character Varying (50)	string of country name
last_update	Timestamp (6) without Time Zone	Last update of country

Links To

The country table does not link to any other tables.

Links From

Table	Join	Description
City	Country.country_id = city.country_id	Foreign Key reference to city table

Unique Keys

Column	Key Type	Description
Country_id	Primary Key	Unique identifier for country

Table: Customer

Columns

Columns	Data Type	Description
customer_id	serial	ID of customer
store_id	small int	ID of store
first_name	Character Varying (45)	First name of customer
last_name	Character Varying (45)	Last name of customer
email	Character Varying (50)	email address of customer
address_id	small int	ID of address
activebool	Boolean	True or False of being active customer
create_date	Date	date of customer creation
last_update	Timestamp (6) without Time Zone	Last update of customer
active	integer	activity of customer in 1 or 0

Links To

Table	Join	Description
Address	Customer.address_id = Address.address_id	Foreign Key reference to address table

Links From

Table	Join	Description
Payment	Customer.customer _id = Payment.customer_id	Foreign Key reference to payment table
Rental	Customer.customer_id = Rental.customer_id	Foreign Key reference to rental table

Unique Keys

Column	Key Type	Description
Customer_id	Primary Key	Unique identifier for customer
Address_id	Foreign Key	Unique identifier for address

Table: Film

Columns

Columns	Data Type	Description
film_id	serial	Id of film
title	Character Varying (255)	name of film in string format
description	Text	descriptive information of film
release_year	year	release year of film
language_id	small int	Id of film's language
rental_duration	small int	time of renting film in days
rental_rate	numeric (4,2)	cost of renting film
length	small int	length of film's viewing
replacement_cost	numeric (5,2)	cost of replacing film
rating	mpaa_rating	rating of film
last_update	Timestamp (6) without Time Zone	Last update of film
special_features	Text[]	special features of film
fulltext	Tsvector	info about significant words and their location

Links To

Table	Join	Description
Language	Film.language_id = Language.language_id	Foreign Key reference to language table

Links From

Table	Join	Description
Film_actor	Film.film_id = Film_actor.film_id	Foreign Key reference to film_actor table
Inventory	Film.film_id = Inventory.film_id	Foreign Key reference to inventory table
Film_category	Film.film_id = Category.film_id	Foreign Key reference to film_category table

Unique Keys

Column	Key Type	Description
Film_id	Primary Key	Unique identifier for film
Language_id	Foreign Key	Unique identifier for language of film

Table: Film_actor

Columns

Columns	Data Type	Description
actor_id	small int	ID of actor
film_id	small int	ID of film
last_update	Timestamp (6) without Time Zone	Last update of film_actor table

Links To

Table	Join	Description
Actor	Film_actor.actor_id = Actor.actor_id	Foreign Key reference to actor table
Film	Film_actor.film_id = Film.film_id	Foreign Key reference to filmtable

Links From

The film_actor table does not link from any other tables.

Unique Keys

Column	Key Type	Description
Actor_id	Primary Key	Unique identifier for actor
Film_id	Primary Key	Unique identifier for film

Table: Film_category

Columns

Columns	Data Type	Description
film_id	small int	ID of film
category_id	small int	ID of film's category
last_update	Timestamp (6) without Time Zone	Last update of film's category

Links To

Table	Join	Description
Film	Film_category.film_id = Film.film_id	Foreign Key reference to film table
Category	Film_category.category_id = category.category_id	Foreign Key reference to category table

Links From

The film_category table does not link from any other tables.

Unique Keys

Column	Key Type	Description
Film_id	Primary Key	Unique identifier for film
Category_id	Primary Key	Unique identifier for category

Table: Inventory

Columns

Columns	Data Type	Description
intentory_ID	serial	ID of customer
film_id	small int	ID of film
store_id	small int	ID of store
last_update	Timestamp (6) without Time Zone	Last update of inventory

Links To

Table	Join	Description
Film	Inventory.film_id = Film.film_id	Foreign Key reference to film table

Links From

Table	Join	Description
Rental	Inventory.inventory_id = rental.inventory_id	Foreign Key reference to rental table

Unique Keys

Column	Key Type	Description
Inventory_id	Primary Key	Unique identifier for inventory
Film_id	Foreign Key	Unique identifier for film

Table: Language

Columns

Columns	Data Type	Description
language_id	serial	Id of language of film
name	Character Varying (20)	name of language
last_update	Timestamp (6) without Time Zone	Last update of language

Links To

The language table does not link to any other tables.

Links From

Table	Join	Description
Film	Language.language_id = Film.language_id	Foreign Key reference to film table

Unique Keys

Column	Key Type	Description
Language_id	Primary Key	Id for language of film

Table: Staff

Columns

Columns	Data Type	Description
staff_id	serial	ID of staff member
first_name	Character Varying (45)	First name of staff member
last_name	Character Varying (45)	Last name of staff member
address_id	small int	Id of store's address
email	Character Varying (50)	email address of staff member
store_id	small int	ID of store
active	boolean	True or False confirmation of staff member working
username	Character Varying (16)	username of staff member
password	Character Varying (40)	password of staff member
last_update	Timestamp (6) without Time Zone	Last update of staff member
picture	BYTEA	picture of staff member

Links To

Table	Join	Description
Address	Staff.address_id = address.address_id	Foreign Key reference to address table

Links From

Table	Join	Description
Rental	Staff.staff_id = Rental.staff_id	Foreign Key reference to rental table
Payment	Staff.staff_id = Payement.staff_id	Foreign Key reference to payment table
Store	Staff.staff_id = Store.staff_id	Foreign Key reference to store table

Unique Keys

Column	Key Type	Description
Staff_id	Primary Key	Unique identifier for staff
Address_id	Foreign Key	Unique identifier for address

Table: Store

Columns

Columns	Data Type	Description
store_id	serial	ID of store
manager_staff_id	small int	ID of manager
address_id	small int	Id of store's address
last_update	Timestamp (6) without Time Zone	Last update of store

Links To

Table	Join	Description
Staff	Store.manager_staff_id = staff.staff_id	Foreign Key reference to staff table
Address	Store.address_id = address.address_id	Foreign Key reference to address table

Links From

The store table does not link from any other tables.

Unique Keys

Column	Key Type	Description
Store_id	Primary Key	Unique identifier for store
Manager_staff_id	Foreign Key	Unique identifier for manager of staff
Address_id	Foreign Key	Unique identifier for address of store