



ROCKBUSTER STEALTH DATA DICTIONARY

Pulcherie Pamela Nouboussi
pamelanouboussi@gmail.com

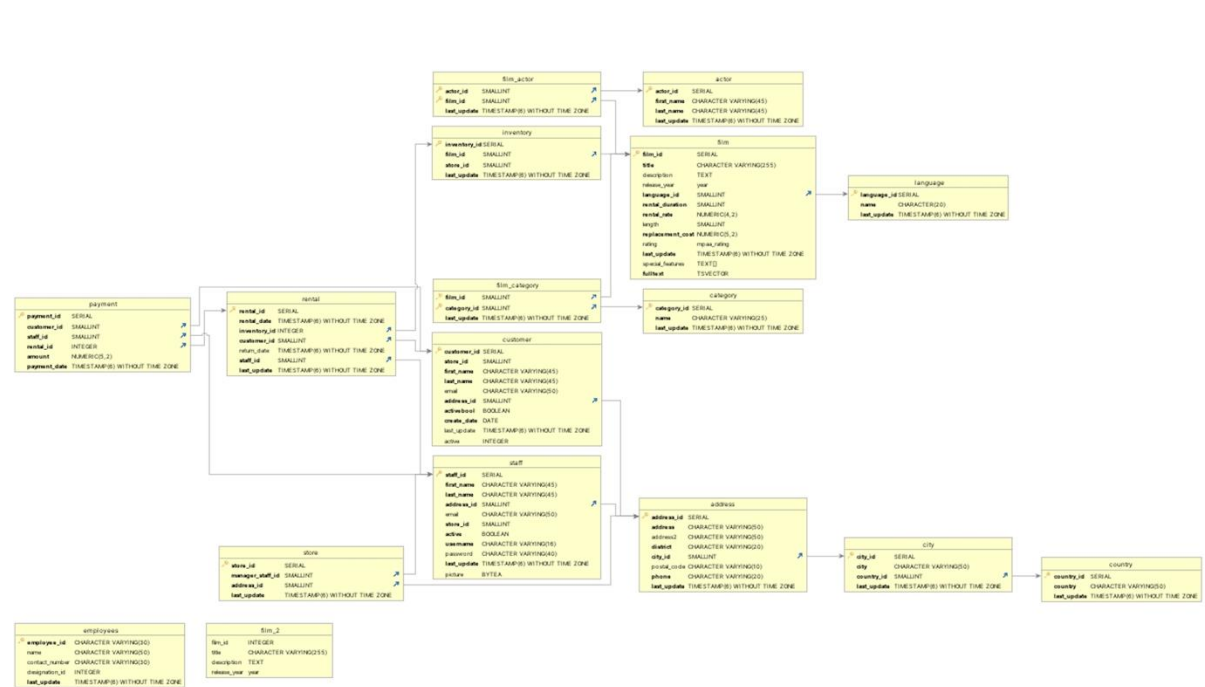
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1. Rockbuster Stealth Management LLC

Rockbuster Stealth Management LLC is an international movie rental company. The Rockbuster database supports online transaction processing scenarios for ReockbusterStealth. The data included is used to analysis current sales and assist in the development of the launch strategy for a new online video service.

2. Entity Relationship Diagram



3. Fact Tables

3.1 Payments

Column	Data Type	Description
payment_id	Serial	Payment Unique Identifier
customer_id	Small Int	Customer Unique Identifier
staff_id	Small Int	Staff Unique Identifier
rental_id	Integer	Rental Unique Identifier
amount	Numeric(5,2)	Rental price
payment_date	Timestamp w/o Time Zone	Date payment made

Links To

Table	Join	Description
Rental	Payment.rental_id = rental.rental_id	Foreign key constraint referencing rental_id
Customer	Payment.customer_id = customer.customer_id	Foreign key constraint referencing customer_id
Staff	Payment.staff_id = staff.staff_id	Foreign key constraint referencing staff_id

Links From

Does not link from other tables.

Keys

Column	Key Type	Description
Payment_id	Primary Key	Unique Identifier for each payment
Customer_id	Foreign Key	Primary key for customer table
Staff_id	Foreign Key	Primary key for staff table
Rental_id	Foreign Key	Primary key for rental table

3.2 Rental

Column	Data Type	Description
rental_id	Serial	Rental Unique Identifier
rental_date	Timestamp w/o Time Zone	Date of rental
inventory_id	Integer	Unique Identifier of inventory
customer_id	Small Int	Customer Unique Identifier
return_date	Timestamp w/o Time Zone	Date of return
staff_id	Small Int	Staff Unique Identifier
last_update	Timestamp w/o Time	Time last updated

	Zone	
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Links To

Table	Join	Description
Inventory_id	Rental.inventory_id = inventory.inventory_id	Foreign key reference to inventory table
Customer_id	Rental.customer_id = customer.customer_id	Foreign key reference to customer table
Staff_id	Rental.staff_id = staff.staff_id	Foreign key reference to staff table

Links From

Table	Join	Description
Payment	Rental.rental_id = payment.rental_id	References rental_id for payment table

Keys

Column	Key Type	Description
Rental_id	Primary Key	Unique identifier for rental table
Inventory_id	Foreign Key	Primary key for inventory table
Customer_id	Foreign key	Primary key for customer table
Staff_id	Foreign key	Primary key for staff table

4. DIMENSIONS

4.1 Film Actor

Column	Data Type	Description
actor_id	Small Int	Actor Unique Identifier
film_id	Small Int	Films Unique Identifier
last_update	Timestamp w/o Time Zone	Time last updated

Links To

Table	Join	Description
Actor	Film_actor.actor_id = actor.actor_id	Reference to actor table
Film	Film_actor.film_id = film.film_id	Reference to film table

Links From

There are no links from primary keys

Keys

Column	Key Type	Description
Actor_id	Primary key	Primary key when combined with film_id, reference to actor table
Film_id	Primary key	Primary key when combined with actor_id, reference to film table

4.2 Inventory

Column	Data Type	Description
inventory_id	Serial	Inventory Unique Identifier
film_id	Small Int	Film Unique Identifier
store_id	Small Int	Unique Identifier of the store
last_update	Timestamp w/o Time Zone	Time last updated

Links To

Table	Join	Description
Film	Inventory.film_id = film.film_id	Reference to film table
Store	Inventory.store_id = store.store_id	Reference to store table

Links From

Table	Join	Description
Rental	Inventory.inventory_id = rental.inventory_id	Reference from rental table for inventory

Keys

Column	Key Type	Description
Inventory_id	Primary Key	Unique identifier for inventory table
Film_id	Foreign Key	Foreign key reference to film table
Store_id	Foreign Key	Foreign key reference to store table

4.3 Film Category

Column	Data Type	Description
film_id	Small Int	Film Unique Identifier
category_id	Small Int	Category Unique Identifier
last_update	Timestamp w/o Time Zone	Time last updated

Links To

Table	Join	Description
Film	Film_category.film_id = film.film_id	Reference to film table
Category	Film_category.category_id = category.category_id	Reference to category table

Links From

No links with both primary keys

Keys

Column	Key Type	Description
Film_id	Primary key	Primary key with category id, reference to film table
Category_id	Primary key	Primary key with film_id, reference to category table

4.4 Customer

Column	Data Type	Description
customer_id	Small Int	Customer Unique Identifier
store_id	Small Int	Store Unique Identifier
first_name	Character Varying(45)	Customer first name
last_name	Character Varying(45)	Customer last name
email	Character Varying(50)	Customers email address
address_id	Small Int	Email address Unique Identifier
activebool	Boolean	Whether customer is active
create_date	Date	Customer profile creation date
last_update	Timestamp w/o Time Zone	Time last updated
active	Integer	Active status integer

Links To

Table	Join	Description
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Store	Customer.store_id = store.store_id	Reference to store_id from store table
Address	Customer.address_id = address.address_id	Reference to address_id in address table

Links From

Table	Join	Description
Rental	Customer.customer_id = rental.customer_id	Reference to customer in rental table
Payment	Customer.customer_id = payment.customer_id	Reference to customer in payment table

Keys

Column	Key Type	Description
Customer_id	Primary key	Unique identifier for customer table
Store_id	Foreign key	Reference to store table
Address_id	Foreign key	Unique reference to address table

4.5 Staff

Column	Data Type	Description
staff_id	Serial	Staff Unique Identifier
first_name	Character Varying(45)	Staff member first name
last_name	Character Varying(45)	Staff member last name
address_id	Small Int	Address Unique Identifier
email	Character Varying(50)	Staff member email address
store_id	Small Int	Store Unique Identifier
active	Boolean	Staff member active status
username	Character Varying(16)	Staff member's username
password	Character Varying(40)	Staff member's password
last_update	Timestamp w/o Time Zone	Time last updated
picture	Bytea	Staff member picture

Links To

Table	Join	Description
Address	Staff.address_id = address.address_id	Unique identifier to reference address table
Store	Staff.store_id = store.store_id	Unique identifier to reference store table

Links From

Table	Join	Description
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Payment	Staff.staff_id = payment.staff_id	Unique staff link to payment table
Rental	Staff.staff_id = rental.staff_id	Unique staff link to rental table

Keys

Column	Key Type	Description
Staff_id	Primary key	Unique identifier for staff table
Store_id	Foreign key	Reference to store table
Address_id	Foreign key	Unique reference to address table

4.6 Actor

Column	Data Type	Description
actor_id	Serial	Unique identifier of actor
first_name	Character Varying(45)	Actor first name
last_name	Character Varying(45)	Actor last name
last_update	Timestamp w/o Time Zone	Time last updated

Links To

No links to table

Links From

Table	Join	Description
Film_actor	Actor.actor_id = film_actor.actor_id	Unique actor identifier for film_actor table

Keys

Column	Key Type	Description
Actor_id	Primary Key	Unique identifier for actor table

4.7 Film

Column	Data Type	Description
film_id	Serial	Film Unique Identifier
title	Character Varying(255)	Film title
description	Text	Film description
release_year	Year	Year of film release
language_id	Small Int	Language of film
rental_duration	Small Int	Duration of rental
rental_rate	Numeric(4,2)	Rate at which rented

length	Small Int	Length of film
replacement_cost	Numeric(5,2)	Replacement cost of film
rating	Mpaa_rating	Rating of film
last_update	Timestamp w/o Time Zone	Time of last update
special_features	Text[]	Special features of film
fulltext	Tsvector	Film index; contains count of key Descriptive words

Links To

Table	Join	Description
Language	Film.language_id = language.language_id	Reference to language through unique identifier for language table

Links From

Table	Join	Description
Inventory	Film.film_id = inventory.film_id	Unique reference for film to inventory table
Film_actor	Film.film_id = film_actor.film_id	Unique reference for film to combine with actor_id in film_actor table
Film_category	Film.film_id = film_category.film_id	Unique reference for film to combine with actor_id in film_category table

Keys

Column	Key Type	Description
Film_id	Primary Key	Unique identifier for film table
Language_id	Foreign key	Unique reference to language table

4.8 Category

Column	Data Type	Description
category_id	Serial	Category ID
name	Character Varying(25)	Name of film category
last_update	Timestamp w/o Time Zone	Time last updated

Links To

No links to category table

Links From

Table	Join	Description
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Film_category	Category.category_id = film_category.category_id	Reference to primary key in film_category table
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Keys

Column	Key Type	Description
Category_id	Primary key	Unique identifier for category table

4.9 Address

Column	Data Type	Description
address_id	Serial	Address Unique Identifier
address	Character Varying(50)	First line of address
address2	Character Varying(50)	Second line of address
district	Character Varying(20)	District of address
city_id	Small Int	City Unique Identifier
postal_code	Character Varying(10)	Address post code
phone	Character Varying(20)	Addresses, phone number
last_update	Timestamp w/o Time Zone	Time last updated

Links To

Table	Join	Description
City	Address.city_id = city.city_id	Unique identifier to reference city in city table

Links From

Table	Join	Description
Store	Address.address_id = store.address_id	Reference to address in store table
Staff	Address.address_id = staff.address_id	Reference to address in staff table
Customer	Address.address_id = customer.address_id	Reference to address in customer table

Keys

Column	Key Type	Description
Address_id	Primary key	Unique identifier for address table
City_id	Foreign key	Reference to key for city table

4.10 Language

Column	Data Type	Description
language_id	Serial	Language Unique Identifier
name	Character Varying(20)	Name of language
last_update	Timestamp w/o Time	Time last updated

	Zone	
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Links To

No links to language table

Links From

Table	Join	Description
Film	Language.language_id = film.language_id	Unique identifier in film table for language

Keys

Column	Key Type	Description
Language_id	Primary key	Unique identifier for language table

4.11 City

Column	Data Type	Description
city_id	Serial	City Unique Identifier
city	Character Varying(50)	Name of city
country_id	Small Int	Country Unique Identifier
last_update	Timestamp w/o Time Zone	Time last updated

Links To

Table	Join	Description
Country	City.country_id = country.country_id	Reference to country table

Links From

Table	Join	Description
Address	City.city_id = address.city_id	Reference to city in address table

Keys

Column	Key Type	Description
City_id	Primary key	Unique identifier for city table
Country_id	Foreign key	Reference to primary key for country table

4.12 Country

Column	Data Type	Description
country_id	Serial	Country Unique Identifier
country	Character Varying(50)	Name of country
last_update	Timestamp w/o Time Zone	Time last updated

Links To

No links to country table

Links From

Table	Join	Description
City	Country.country_id = city.country_id	Reference to country in city table

Keys

Column	Key Type	Description
Country_id	Primary key	Unique identifier for country

4. 13 Store

Columns	Data Type	Description
Store_id	Serial	Identification number for each store
Manager_staff_id	Smallint	Manager Staff Unique Identifier
Address_id	Smallint	ID of stores address
Last_update	Timestamp(6) without time zone	Date and time the record was last updated

Links to

Table	Join	Description
Address	Store.address_id = address.address_id	Reference to address identifier
Staff	Store.manage_staff_id = staff_id	Reference to staff identifier

Links From

Table	Join	Description
Staff	Store.store_id = staff.store_id	Reference to staff table
Inventory	Store.store_id = inventory.store_id	Reference to inventory table

Keys

Column	Key Type	Description
Store_id	Primary key	Unique identifier for store
Manager_staff_id	Foreign Key	Foreign key for staff table
Address_id	Foreign Key	Foreign key for address table