ROCKBUSTER STEALTH DATA DICTONARY

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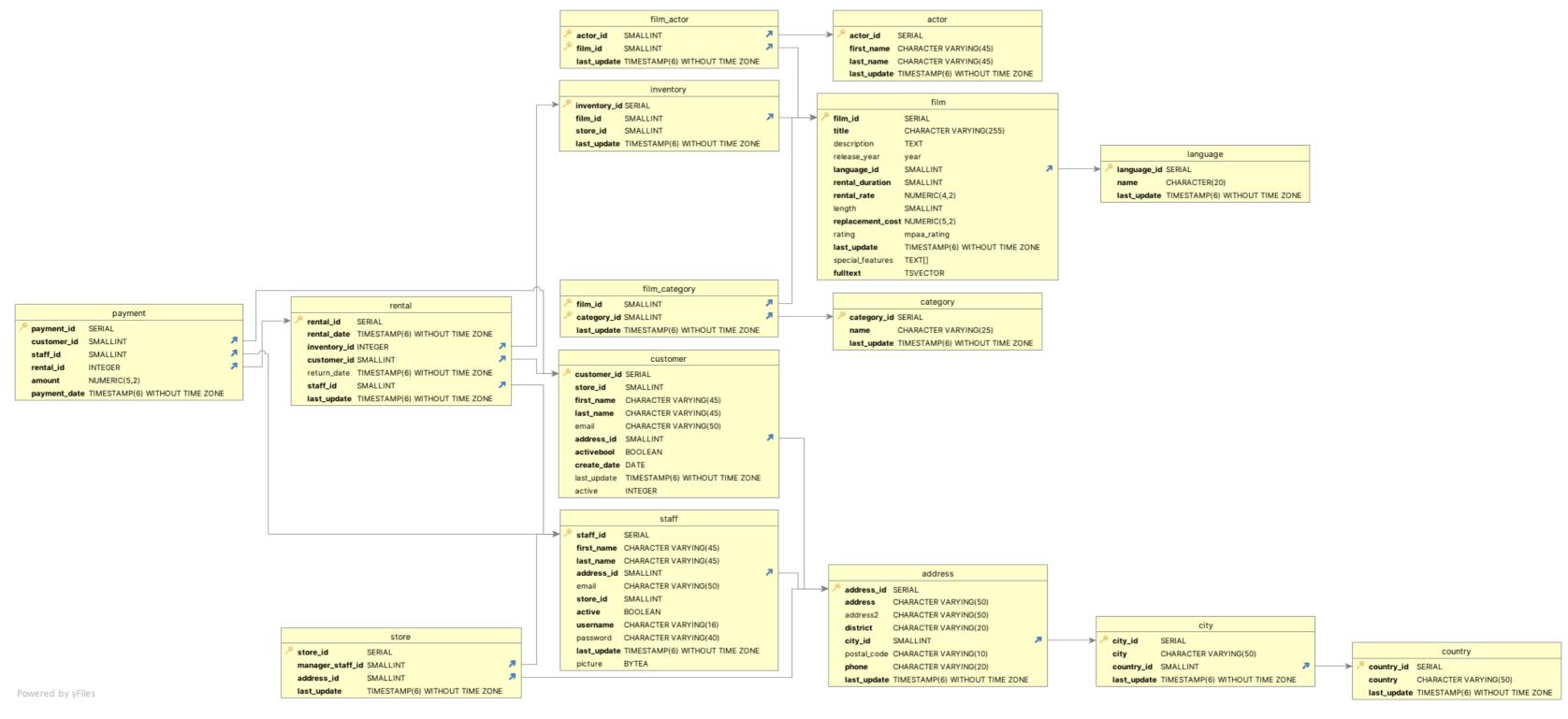
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1. ROCKBUSTER STEALTH MANAGEMENT LLC

Rockbuster Stealth Management LLC is a world-wide movie rental company. The data included is used to analysis current sales and assist in the development of the launch strategy for a new online video service for 2020.

film_actor

🔑 **actor_id**	SMALLINT	↗
🔑 **film_id**	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

actor

🔑 **actor_id**	SERIAL	
first_name	CHARACTER VARYING(45)	
last_name	CHARACTER VARYING(45)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

inventory

🔑 **inventory_id**	SERIAL	
film_id	SMALLINT	↗
store_id	SMALLINT	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

film

🔑 **film_id**	SERIAL	
title	CHARACTER VARYING(255)	
description	TEXT	
release_year	year	
language_id	SMALLINT	↗
rental_duration	SMALLINT	
rental_rate	NUMERIC(4,2)	
length	SMALLINT	
replacement_cost	NUMERIC(5,2)	
rating	mpaa_rating	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
special_features	TEXT[]	
fulltext	TSVECTOR	

language

🔑 **language_id**	SERIAL	
name	CHARACTER(20)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

payment

🔑 **payment_id**	SERIAL	
customer_id	SMALLINT	↗
staff_id	SMALLINT	↗
rental_id	INTEGER	↗
amount	NUMERIC(5,2)	
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	

rental

🔑 **rental_id**	SERIAL	
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	
inventory_id	INTEGER	↗
customer_id	SMALLINT	↗
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	
staff_id	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

film_category

🔑 **film_id**	SMALLINT	↗
🔑 **category_id**	SMALLINT	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

category

🔑 **category_id**	SERIAL	
name	CHARACTER VARYING(25)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

customer

🔑 **customer_id**	SERIAL	
store_id	SMALLINT	
first_name	CHARACTER VARYING(45)	
last_name	CHARACTER VARYING(45)	
email	CHARACTER VARYING(50)	
address_id	SMALLINT	↗
activebool	BOOLEAN	
create_date	DATE	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
active	INTEGER	

staff

🔑 **staff_id**	SERIAL	
first_name	CHARACTER VARYING(45)	
last_name	CHARACTER VARYING(45)	
address_id	SMALLINT	↗
email	CHARACTER VARYING(50)	
store_id	SMALLINT	
active	BOOLEAN	
username	CHARACTER VARYING(16)	
password	CHARACTER VARYING(40)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
picture	BYTEA	

store

🔑 **store_id**	SERIAL	
manager_staff_id	SMALLINT	↗
address_id	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

address

🔑 **address_id**	SERIAL	
address	CHARACTER VARYING(50)	
address2	CHARACTER VARYING(50)	
district	CHARACTER VARYING(20)	
city_id	SMALLINT	↗
postal_code	CHARACTER VARYING(10)	
phone	CHARACTER VARYING(20)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

city

🔑 **city_id**	SERIAL	
city	CHARACTER VARYING(50)	
country_id	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

country

🔑 **country_id**	SERIAL	
country	CHARACTER VARYING(50)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

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3. FACT TABLES

3.1 PAYMENT

PAYMENT		
Columns	Data Type	Description
Payment_id	Serial	Identification number for each payment
Customer_id	Smallint	Unique identifier for each customer
Staff_id	Smallint	Unique identifier for each staff member
Rental_id	Integer	Unique identifier for each rental
Amount	Numberic(5,2)	Amount of each payment
Payment_date	Timestamp(6) without time zone	Date of payment

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		
Table	Join	Description
No links from other tables		

KEYS		
Column	Key Type	Description
Payment_id	Primary Key	Unique id 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

RENTAL		
Columns	Data Type	Description
Rental_id	Serial	Unique identifier for each rental
Rental_date	Timestamp(6) without time zone	Date of rental
Customer_id	Smallint	Unique identifier for each customer
Return_date	Timestamp(6) without time zone	Date rental was returned
Last_update	Timestamp(6) without time zone	Date the record was last updated
Staff_id	Numberic(5,2)	Amount of each payment
Inventory_id	Integer	Unique identifier for each staff member

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		
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. DIMENSION TABLES

4.1 STORE

STORE		
Columns	Data Type	Description
Store_id	Serial	Identification number for each store
Manager_staff_id	Smallint	Staff ID number of the manager
Address_id	Smallint	Idenfication number for store address
Last_update	Timestamp(6) without time zone	Date and time when 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

FILM ACTOR		
Columns	Data Type	Description
Actor_id	SmallInt	Identification number for each actor
Film_id	Smallint	Identification number for each film
Last_update	Timestamp(6) without time zone	Date and time when the record was 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		
Table	Join	Description
No links from other tables		

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

INVENTORY		
Columns	Data Type	Description
Inventory_id	Serial	Identification number for inventory record
Film_id	Smallint	Unique idenfication for each film
Store_id	Smallint	Idenfication number for each store
Last_update	Timestamp(6) without time zone	Date and time when the record was 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

4.4 FILM_CATEGORY

FILM CATEGORY		
Columns	Data Type	Description
Film_id	Smallint	Identification number for each film
Category_id	Smallint	Identification number for category of film
Last_update	Timestamp(6) without time zone	Date and time when the record was 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		
Table	Join	Description
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

CUSTOMER		
Columns	Data Type	Description
Customer_id	Serial	Unique identifier for each customer
Store_id	Smallint	Identification of store related to customer
First_name	Character Varying(45)	First name of customer
Last_name	Character Varying(45)	Last name of custome
Email	Character Varying(50)	Email of customer
Address_id	Smallint	Address identifier
Activebool	Boolean	Stores whether the account is active or not
Create_date	Date	Date the customer account was created
Last_update	Timestamp(6) without time zone	Date and time when the record was last updated
Active	Integer	Integer toogle if account is active: 1=True; 2=false

LINKS TO		
Table	Join	Description
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

4.6 STAFF

STAFF		
Columns	Data Type	Description
Staff_id	Serial	Unique identifier for each staff member
First_name	Character Varying(45)	First name of staff member
Last_name	Character Varying(45)	Last name of staff member
Address_id	Smallint	Unique identifier for address
Email	Character Varying(50)	Email of staff member
Store_id	Smallint	Identifier of store for staff member
Active	Boolean	Stores whether the staff member is active or not
Username	Character Varying(16)	Username of staff member
Password	Character Varying(40)	Password of staff member
Last_update	Timestamp(6) without time zone	Date and time when record was last updated
Picture	Bytea	Picture of staff member

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

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

4.7 ACTOR

ACTOR		
Columns	Data Type	Description
Actor_id	Serial	Identification number for actor information
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	Date and time when the record was last updated

LINKS TO		
Table	Join	Description
No links to actor 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

4.8 FILM

FILM		
Columns	Data Type	Description
Film_id	Serial	Unique identifier for each film
Title	Character Varying(255)	Title of film
Description	Text	Description of film
Release_year	Year	Year the film was released
Language_id	Smallint	Identifier of the language of film
Rental_duration	Smallint	Length of time film can be rented
Rental_rate	Numberic(4,2)	Average rating of renta
Length	Smallint	Length of film in minute
Replacement_cost	Numeric(5,2)	Cost to replace film
Rating	Mpaa_rating	Rating of the movie

Last_update	Timestamp(6) without time zone	Date and time when record was last updated
Special_features	Text	Text description of special features of the film
Fulltext	Tsvector	Keywords associated with the film

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

ADDRESS		
Columns	Data Type	Description
Address_id	Serial	Unique identifier for each address
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	Smallint	Identifier for city associated with address
Postal_code	Character varying(10)	Postal code of address
Phone	Character varying(20)	Phone number associated with address
Last_update	Timestamp(6) without time zone	Date and time when record was 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 CATEGORY

CATEGORY		
Columns	Data Type	Description
Category_id	Serial	Identifier for each category of film
Name	Character Varying(25)	Name of film category
Last_update	Timestamp(6) without time zone	Date and time when the record was last updated

LINKS TO		
Table	Join	Description
No links to category table		

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

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

LANGUAGE		
Columns	Data Type	Description
Language_id	Serial	Identifier for the language of each film
Name	Character(20)	Name of category
Last_update	Timestamp(6) without time zone	Date and time when the record was last updated

LINKS TO		
Table	Join	Description
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

CITY		
Columns	Data Type	Description
City_id	Serial	Idenifier for city related to address
City	Character Varying(50)	City of address
Country_id	Smallint	Identifier for country of address
Last_update	Timestamp(6) without time zone	Date and time when the record was 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

COUNTRY		
Columns	Data Type	Description
Country_id	Serial	Identifier of country related to address
Country	Character Varying (50)	Country of address
Last_update	Timestamp(6) without time zone	Date and time when the record was last updated

LINKS TO		
Table	Join	Description
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