



Data Dictionary

ROCKBUSTER STEALTH

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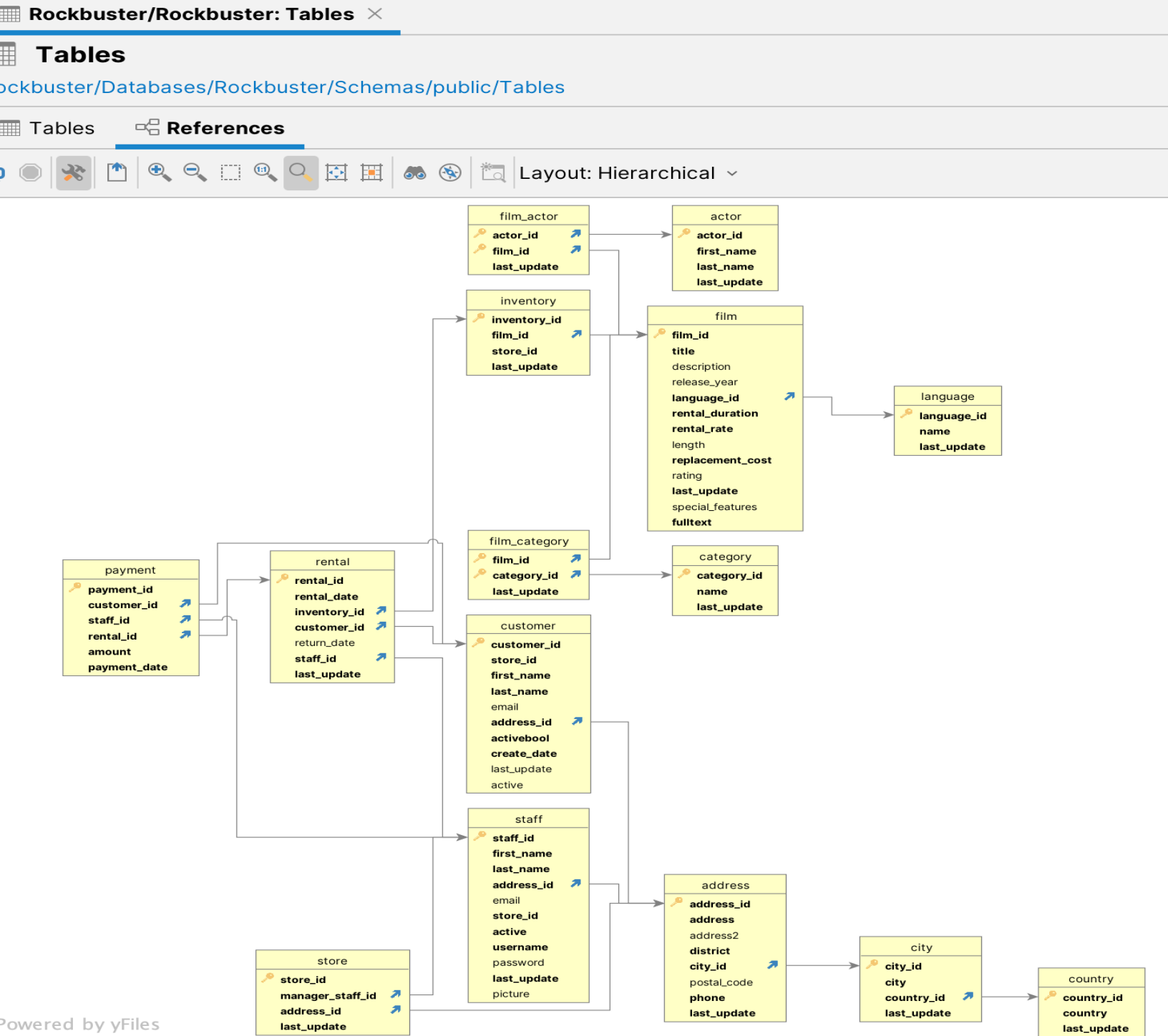
Data Analyst for Rockbuster Stealth



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1. ERD (Entity Relationship Diagram):



59% Tables: 15 References

2. Fact tables

2.1 Payment

Column	Data Type	Description
Payment_id	(PK) Integer	Unique payment identifier
Customer_id	Small Int	Unique customer identifier
Staff_id	Small Int	Unique staff identifier
Rental_id	Integer	Unique rental identifier
Amount	Numeric (5,2)	Received payment amount
Payment_date	Timestamp without time zone	Date/time of payment

Links to

Table	Join
Customer	Payment.customer_id=customer.customer_id
Rental	Payment.rental_id=rental.rental_id
Staff	Payment.staff_id=staff.staff_id

Links from

Table	Join
No links	

Keys

Column	Key type
Payment_id	Primary key
Customer_id	Foreign key
Staff_id	Foreign key
Rental_id	Foreign key

2.2 Rental

Column	Data type	Description
Rental_id	(PK) Integer	Unique rental identifier
Rental_date	Timestamp without time zone	Date/time of rental
Inventory_id	Integer	Unique inventory identifier
Customer_id	Small Int	Unique customer identifier
Return_date	Timestamp without time zone	Date/time of return
Staff_id	Small Int	Unique staff identifier
Last_update	Timestamp without time zone	Unique store identifier

Links to

Table	Join
Inventory	Rental.inventory_id=inventory.inventory_id
Customer	Rental.customer_id=customer.customer_id
Staff	Rental.staff_id=staff.staff_id

Links from

Table	Join
Payment	Rental.rental_id=payment.rental_id

Keys

Column	Key type
Rental_id	Primary key
Inventory_id	Foreign key
Customer_id	Foreign key
Staff_id	Foreign key

3. Dimension Tables

3.1 Actor

Column	Data type	Description
Actor_id	[PK] Integer	Unique actor identifier
First_name	Character varying (45)	First name of actor
Last_name	Character varying (45)	Last name of actor
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
No links	

Links from

Table	Join
Film_actor	Actor.actor_id=film_actor.actor_id

Keys

Column	Key type
Actor_id	Primary key

3.2 Address

Column	Data type	Description
Address_id	[PK] Integer	Unique address 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	Unique city identifier
Postal_code	Character varying (10)	Postal code associated with address
Phone	Character varying (20)	Phone number for address
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
City	Address.city_id=city.city_id

Links from

Table	Join
Customer	Address.address_id=customer.address_id
Staff	Address.address_id=staff.address_id
Store	Address.address_id=store_address_id

Keys

Column	Key type
Address_id	Primary key
City_id	Foreign Key

3.3 Customer

Column	Data type	Description
Customer_id	(PK) Integer	Unique customer identifier
Store_id	Small Int	Unique store identifier
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	Unique identifier of address
Activebool	Boolean	Customer activity
Create_date	Date	Date of customer profile creation
Last_update	Timestamp without time zone	Date/time of last update
Active	Integer	Activity status represented by 0 or 1

Links to

Table	Join
Address	Customer.address_id=address.address_id

Links from

Table	Join
Payment	Customer.customer_id=payment.customer_id
Rental	Customer.customer_id=rental.customer_id

Keys

Column	Key type
Customer_id	Primary Key
Address_id	Foreign Key

3.4 Category

Column	Data type	Description
Category_id	[PK] Integer	Unique category identifier
Name	Character varying (25)	Name of category
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
No links	

Links from

Table	Join
Film category	Category.category_id=film_category.category_id

Keys

Column	Key type
Category_id	Primary key

3.5 City

Column	Data type	Description
City_id	[PK] Integer	Unique city identifier
City	Character varying (50)	Name of city
Country_id	Small Int	Unique country identifier
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Country	City.country_id=country.country_id

Links from

Table	Join
Address	City.city_id=address.city_id

Keys

Column	Key type
City_id	Primary key

3.6 Country

Column	Data type	Description
Country_id	[PK] Integer	Unique country identifier
Country	Character varying (50)	Name of country
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
No links	

Links from

Table	Join
City	Country.country_id=city.country_id

Keys

Column	Key type
Country_id	Primary key

3.7 Film

Column	Data type	Description
Film_id	[PK] Integer	Unique film identifier
Title	Character varying (255)	Title of film
Description	Text	Description of the film
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 of rental
Length	Small Int	Length of film
Replacement_cost	Numeric (5,2)	Replacement cost of film
Rating	Mpaa_rating	Rating of film
Last_update	Timestamp without time zone	Date/time of last update
Special features	Text[]	Special feature of film
Fulltext	Tsvector	Film index; count of key words in description

Links to

Table	Join
Language	Film.language_id=language.laguange_id

Links from

Table	Join
Film_actor	Film.film_id=film_actor.film_id
Inventory	Film.film_id=inventory.film_id
Film_category	Film.film_id=film_category.film_id

Keys

Column	Key type
Film_id	Primary key
Language_id	Foreign key

3.8 Film category

Column	Data type	Description
Film_id	(PK) Small Int	Unique film identifier
Category_id	(PK) Small Int	Unique category identifier
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Film	Film_category.film_id=film.film_id
Category	Film_category.category_id=category.category_id

Links from

Table	Join
No links	

Keys

Column	Key type
Film_id	Primary key
Category_id	Primary key

3.9 Film actor

Column	Data type	Description
Actor_id	(PK) Small Int	Unique actor identifier
Film_id	(PK) Small Int	Unique film identifier
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Actor	Film_actor.actor_id=actor.actor_id
Film	Film_actor.film_id=film.film_id

Links from

Table	Join
No links	

Keys

Column	Key type
Actor_id	Primary key
Film_id	Primary key

3.10 Inventory

Column	Data type	Description
Inventory_id	(PK) Integer	Unique inventory identifier
Film_id	Small Int	Unique film identifier
Store_id	Small Int	Unique store identifier
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Film	Inventory.film_id=film.film_id

Links from

Table	Join
Rental	Inventory.inventory_id=rental.inventory_id

Keys

Column	Key type
Inventory_id	Primary key
Film_id	Foreign key

3.11 Language

Column	Data type	Description
Language_id	[PK] Integer	Unique language identifier
Name	Character varying (20)	Name of language
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
No links	

Links from

Table	Join
Film	Language.language_id=film.language_id

Keys

Column	Key type
Language_id	Primary key

3.12 Staff

Column	Data type	Description
Staff_id	[PK] Integer	Unique staff member identifier
First_name	Character varying (45)	First name of staff member
Last_name	Character varying (45)	Last name of staff member
Address_id	Small Int	Unique address identifier
Email	Character varying (50)	Email address of staff member
Store_id	Small Int	Unique store identifier
Active	Boolean	Activity of staff member
Username	Character varying (16)	Username of staff member
Password	Character varying (40)	Password of staff member
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Address	Staff.address_id=address.address_id

Links from

Table	Join
Rental	Staff.staff_id=rental.staff_id
Payment	Staff.staff_id=payment.staff_id
Store	Staff.staff_id=store.staff_id

Keys

Column	Key type
Staff_id	Primary key
Address_id	Foreign key

3.13 Store

Column	Data type	Description
Store_id	(PK) Integer	Unique store identifier
Manager_staff_id	Small Int	Unique manager staff identifier
Address_id	Small Int	Unique address identifier
Last_update	Timestamp without time zone	Date/time of last update

Links to

Table	Join
Staff	Store.manager_staff_id=staff.staff_id
Address	Store.address_id=address.address_id

Links from

Table	Join
No links	

Keys

Column	Key type
Store_id	Primary key
Manager_staff_id	Foreign key
Address_id	Foreign key