

ROCKBUSTER STEALTH LLC DATA DICTIONARY



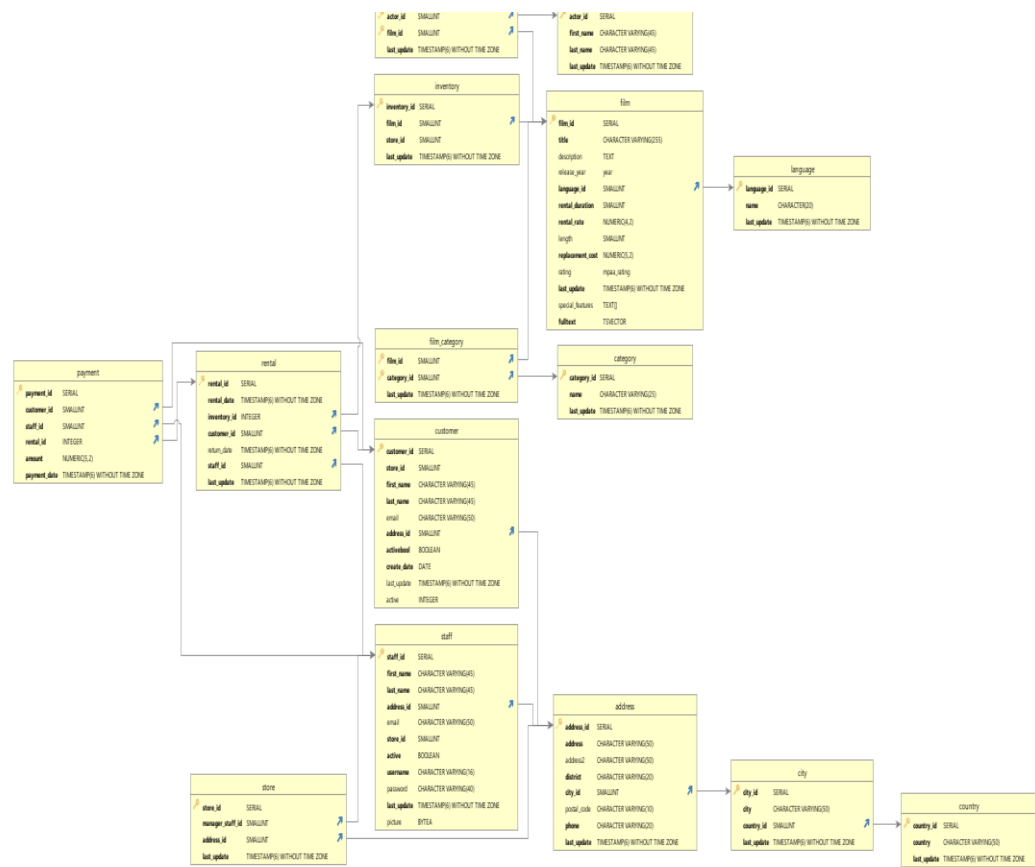
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Table of Contents

Entity Relationship Diagram (ERD)	Page 3
Fact Tables	Page 4
Payment	Page 4
Store	Page 4
Film_actor	Page 4 - 5
Film_category	Page 5
Dimension Tables	Page 6
Rental	Page 6
Inventory	Page 6
Customer	Page 7
Staff	Page 7 – 8
Film	Page 7 - 8
Actor	Page 8 - 9
Category	Page 9
Address	Page 9 -10
Language	Page 10
City	Page 10
Country	Page 10 - 11

Entity Relationship Diagram



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film_2
film_id
INTEGER
PK
CHARACTER VARYING(255)

rock_buster

Fact Tables

Payment

Key	Columns	Data Type	Description
Primary key	Payment_id	Serial	Numeric entry – system generated
Foreign key	Customer_id	Int2	Numeric customer # for payment
Foreign key	Staff_id	Int2	Numeric staff # for payment
Foreign key	Rental_id	Int4	Numeric rental # for payment
	Amount	Numeric	Total of payment
	Payment_date	Timestamp	Date of payment

Linked to:

Key	Table	Join
Linked foreign to primary	Customer	Payment.customer_id = customer.customer_id
Linked foreign to primary	Staff	Payment.staff_id = staff.staff_id
Linked foreign to primary	Rental	Payment.rental_id = rental.rental_id

Store

Key	Columns	Data Type	Description
Primary key	Store_id	Serial	Numeric entry – system generated
Foreign key	Manager_staff_id	Int2	Numeric staff # for store
Foreign key	Address_id	Int2	Numeric address # for store
	Last_update	Timestamp	Date of most recent update

Linked to:

Key	Table	Join
Linked foreign to primary	Staff	Store.manager_staff_id = staff.staff_id
Linked foreign to primary	Address	Store.address_id = address.address_id

Film_actor

Key	Columns	Data Type	Description
Composite key	Actor_id	Int2	Numeric actor # for entry
Composite key	Film_id	Int2	Numeric film # for entry
	last_update	Timestamp	Date of most recent update

Linked with:

Key	Table	Join
Linked via primary	Actor	Film_actor.actor_id = actor.actor_id
Linked via primary	Film	Film_actor.film_id = film.film_id

Film_category

Key	Columns	Data Type	Description
Composite key	Film_id	Int2	Numeric system – entry generated
Composite key	Category_id	Int2	Numeric category # of film
	last_update	Timestamp	Date of most recent update

Linked with:

Key	Table	Join
Linked via primary	Film	Film_category.film_id = film.film_id
Linked via primary	Category	Film_category.category_id = category.category_id

Dimension Tables

1. Rental

Key	Columns	Data Type	Description
Primary key	Rental_id	Serial	Numeric entry – system generated
	Rental_date	Timestamp	Open date for rental
Foreign key	Inventory_id	Int4	Numeric inventory # for rental
Foreign key	Customer_id	Int2	Numeric customer # for rental
	Return_date	Timestamp	Close date for rental
Foreign key	Staff_id	Int2	Numeric staff # for rental
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Payment	Payment.rental_id = rental.rental_id

Linked to:

Key	Table	Join
Linked foreign to primary	Inventory	Rental.inventory_id = inventory.inventory_id
Linked foreign to primary	Customer	Rental.customer_id = customer.customer_id
Linked foreign to primary	Staff	Rental.staff_id = staff.staff_id

2. Inventory

Key	Columns	Data Type	Description
Primary key	Inventory_id	Serial	Numeric entry – system generated
Foreign key	Film_id	Int2	Numeric film # for inventory
	Store_id	Int2	Numeric store # for inventory
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Rental	Rental.inventory_id = inventory.inventory_id

Linked to:

Key	Table	Join
Linked foreign to primary	Film	Inventory.film_id = film.film_id

3. Customer

Key	Columns	Data type	Description
Primary Key	Customer_id	Serial	Numeric entry – system generated
	Store_id	Int2	Numeric store # of customer
	First_name	Varchar	First name of customer
	Last_name	Varchar	Last name of customer
	Email	Varchar	Customer's email address
Foreign key	Address_id	Int2	Numeric address # of customer
	Activebool	Bool	Shows only active customer (T/F)
	Create_date	Date	Date account was created
	Last_update	Timestamp	Date of most recent update
	Active	Int4	Customer status (1/0)

Linked from:

Key	Table	Join
Linked primary from foreign	Payment	Payment.customer_id = customer.customer_id
Linked primary from foreign	Rental	Rental.customer_id = customer.customer_id

Linked to:

Key	Table	Join
Linked foreign to primary	address	Customer.address_id = address.address_id

4. Staff

Key	Column	Data Type	Description
Primary key	Staff_id	Serial	Numeric – entry system generated
	First_name	Varchar	Staff member's first name
	Last_name	Varchar	Staff member's last name
Foreign key	Address_id	Int2	Numeric address # of member
	Email	Varchar	Staff member's email address
	Store_id	Int2	Numeric store # of mentor
	Active	Bool	Member status(T/F)
	Username	Varchar	Staff member's username
	Password	Varchar	Staff member's password
	Last_update	Timestamp	Date of most recent update
	Picture	Bytea	Null

Linked from:

Key	Table	Join
Linked primary from foreign	Rental	Rental.staff_id = staff.staff_id
Linked primary from foreign	Payment	Payment.staff_id = staff.staff_id
Linked primary from foreign	Store	Store.manager_id = staff.staff_id

Linked to:

Key	Table	Join
Linked foreign to primary	Address	Staff.address_id = address.address_id

5. Actor

Key	Columns	Data Type	Description
Primary key	Actor_id	Serial	Numeric entry – system generated
	First_name	Varchar	Actor's first name
	Last_name	Varchar	Actor's last name
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Film_actor	Film_actor.actor_id = actor.actor_id

6. Film

Key	Columns	Data Type	Description
Primary key	Film_id	Serial	Numeric entry – system generated
	Title	Varchar	Name of film
	Description	Text	Synopsis of film
	Release_year	Year	Year of film release
Foreign key	Language_id	Int2	Numeric language # of film
	Rental_duration	Int2	Days of rental
	Rental_rate	Numeric	Cost of rental
	Length	Int2	Running time in minutes
	Replacement_cost	Numeric	Retail price of film
	Rating	Mpaa_rating	Film rating
	Last_update	Timestamp	Date of most recent update
	Special_features	Text	Available extras with the film
	Fulltext	Tsvector	Keywords for search criteria

Linked from:

Key	Table	Join
Linked primary from foreign	Film_actor	Film_actor.film_id = film.film_id
Linked primary from foreign	Inventory	Inventory.film_id = film.film_id
Linked primary from foreign	Film_category	Film_category.film_id = film.film_id

Linked to:

Key	Table	Join
Linked foreign to primary	Language	Film.language_id = language.language_id

7. Category

Key	Columns	Data Type	Description
Primary key	Category_id	Serial	Numeric entry – system generated
	Name	Varchar	Film genre
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Film_category	Film_category.category_id = category.category_id

8. Address

Key	Columns	Data Type	Description
Primary key	Address_id	Serial	Numeric entry – system generated
	Address	Varchar	Street # and name
	Address2	Varchar	Null
	District	Varchar	State or province
Foreign key	City_id	Int2	Numeric city code
	Postal_code	Varchar	Zip code
	Phone	Varchar	Phone number
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Customer	Customer.address_id = address.address_id
Linked primary from foreign	Staff	Staff.address_id = address.address_id
Linked primary from foreign	Store	Store.address_id = address.address_id

Linked to:

Key	Table	Join
Linked foreign to primary	City	Address.city_id = city.city_id

9. Language

Key	Columns	Data Type	Description
Primary key	Language_id	Serial	Numeric – system generated
	Name	Varchar	Name of language
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Film	Film.language_id = language.language_id

10. City

Key	Columns	Data Type	Description
Primary Key	City_id	Serial	Numeric – system generated
	City	Varchar	Name of city
Foreign key	Country_id	Int2	Numeric country code
	Last_update	Timestamp	Date of most recent update

Linked from:

Key	Table	Join
Linked primary from foreign	Address	Address.city_id = city.city_id

Linked to:

Key	Table	Join
Linked foreign to primary	Country	City.country_id = country.country_id

11. Country

Key	Columns	Data Type	Description
Primary key	Country_id	Serial	Numeric – system generated
	Country	Varchar	Name of country
	Last_update	Timestamp	Date of most recent update

Linked from:

Rockbuster Stealth LLC Data Dictionary

Key	Table	Join
Linked primary from foreign	City	City.country_id = country.country_id

Tableau URL

<https://public.tableau.com/app/profile/matt.tsubota/viz/RocbusterStealthLLC/RockbusterStory?publish=yes>