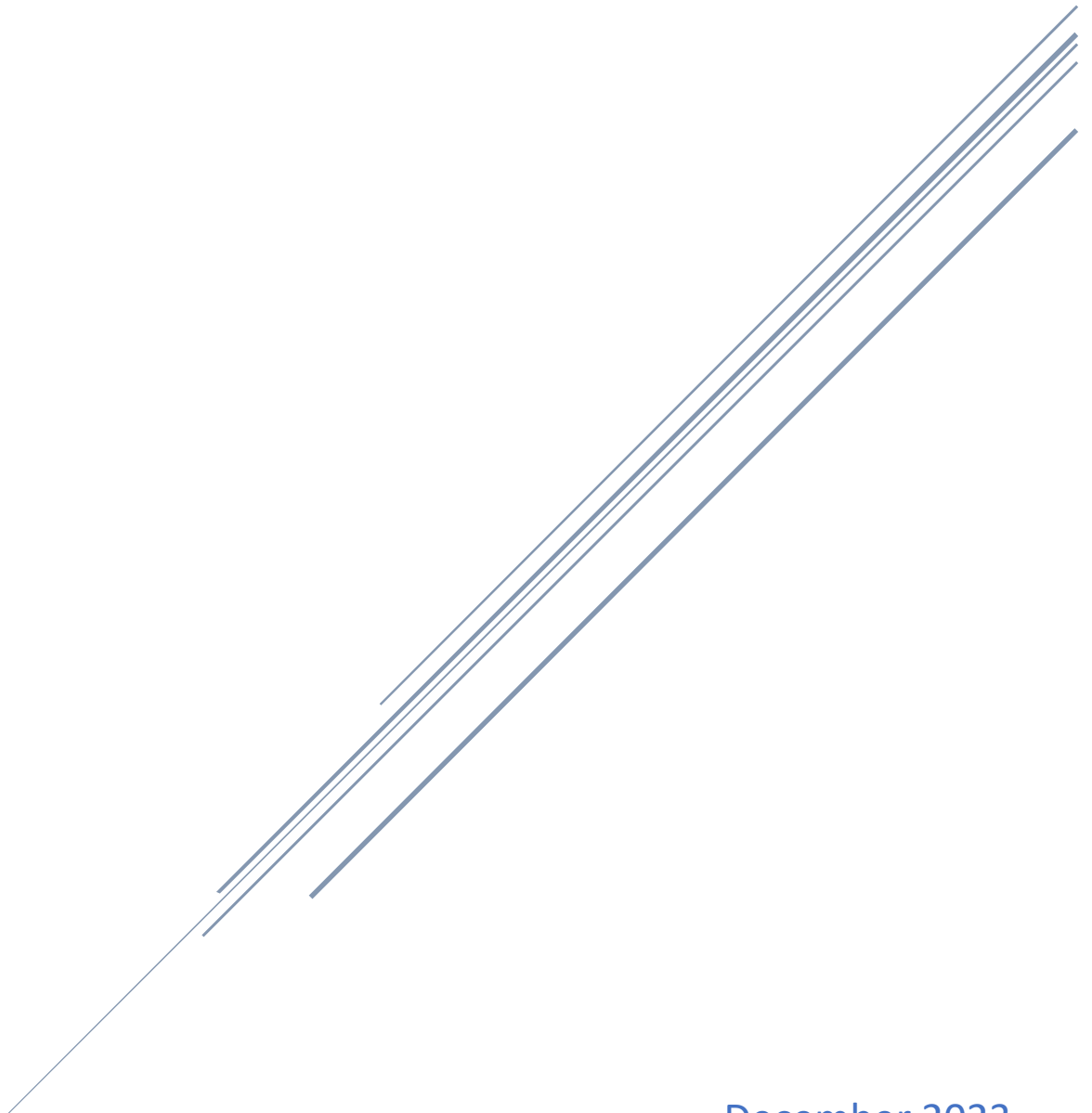


# ROCKBUSTER STEALTH

Data Dictionary



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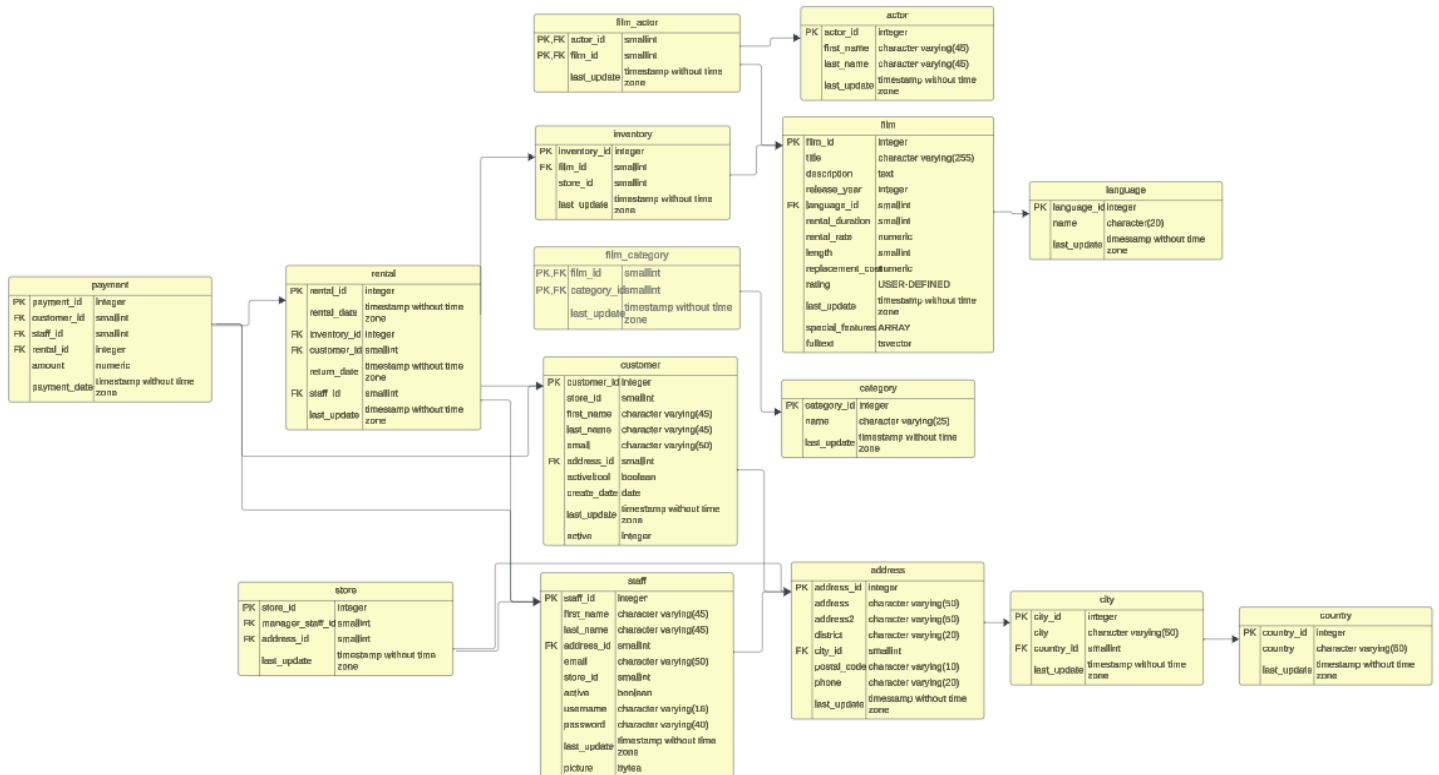
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## Legend

→ Primary Key

← Foreign Key

# 1. Entity Relationship Diagram (ERD)



## 2. Tables

### 2.1 Fact Tables:

#### Rental

	Columns	Data Type	Description
→	Rental_id	SERIAL	Number assigned to transaction
	Rental_date	Timestamp (6) without timezone	Date of movie rented
←	Inventory_id	Integer	Number assigned to movie
←	Customer_id	Smallint	Number assigned to customer renting
	Return_date	Timestamp (6) without time zone	Date when returned
←	Staff_id	Smallint	Number assigned to staff
	Last_update	Timestamp (6) without time zone	Date and time when updated

#### 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	payment.rental_id = rental.rental_id

#### Payment

	Columns	Data Type	Description
→	Payment_id	Serial	Number assigned to transaction
←	Customer_id	Smallint	Number assigned to customer
←	Staff_id	Smallint	Number assigned to staff
←	Rental_id	Integer	Number assigned to rental transaction
	Amount	Numeric (5,2)	Cost of the rental
	Payment_date	Timestamp (6) without time zone	Date of rental payment

#### Links to

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

## 2.2 Dimension Tables:

### Store

	Columns	Data Type	Description
→	Store_id	Serial	Number assigned to store
←	Manager_staff_id	Smallint	Number assigned to manager of store
←	Address_id	Smallint	Number assigned to address of store
	Last_update	Timestamp (6) without time zone	Date and time when updated

### Links to

Table	Join
Address	store.address_id = address.address_id
Staff	store.staff_id = staff.staff_id

### Film Actor

	Columns	Data Type	Description
→←	Actor_id	Smallint	Number assigned to actor
→←	Film_id	Smallint	Number assigned to film
	Last_update	Timestamp (6) without timezone	Date and time when updated

### Links to

Table	Join
Actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

### Inventory

	Columns	Data Type	Description
→	Inventory_id	Serial	Number assigned to inventory

←	Film_id	Smallint	Number assigned to film
	Store_id	Smallint	Number assigned to store
	Last_update	Timestamp (6) without time zone	Date and time when updated

Links to

Table	Join
Film	Inventory.film_id = film.film_id

Links from

Table	Join
Rental	Inventory.film_id = film.film_id

Film Category

	Columns	Data Type	Description
→←	Film_id	Smallint	Number assigned to film
→←	Category_id	Smallint	Number assigned to film type
	Last_update	Timestamp (6) without time zone	Date and time when updated

Links to

Table	Join
Category	film_catogory.catogory_id = category.catogory_id
Film	film_catogory.film_id = film.film_id

Customer

	Columns	Data Type	Description
→	Customer_id	Serial	Number assigned to customer
	Store_id	Smallint	Number assigned to store
	First_name	Character varying (45)	First name of the customer
	Last_name	Character varying (45)	Last name of the customer
	Email	Character varying (50)	Email of the customer
←	Address_id	Smallint	Number assigned to the customers address

	Activebool	Boolean	Active true or false
	Create_date	Date	Date when account was created
	Last_update	Timestamp (6) without time zone	Date and time when updated
	Active	Integer	Account active

#### Links to

Table	Join
Address	customer.address_id = address.address_id

#### Links from

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

#### Staff

	Columns	Data Type	Description
→	First_name	Character varying (45)	First name of the customer
	Last_name	Character varying (45)	Last name of the customer
←	Address_id	Smallint	Number assigned to the customers address
	Email	Character varying (50)	Email of the customer
	Store_id	Smallint	Number assigned to store
	Active	Integer	Account active
	Username	Character varying (16)	Username of the staff login account
	Password	Character varying (40)	Password of the staff login account
	Last_update	Timestamp (6) without time zone	Date and time when updated
	Picture	Bytea	Photo of staff member

#### Links to

Table	Join
Address	staff.address_id = address.address_id

#### Links from

Table	Join
Rental	rental.staff_id = staff.staff_id
Store	store.address_id = staff.address_id
Payment	payment.staff_id = staff.staff_id

#### Address

	Columns	Data Type	Description
→	Address_id	Serial	Number assigned to address
	Address	Character varying (50)	The address
	Address2	Character varying (50)	The 2nd address
	District	Character varying (20)	District of address
←	City_id	Smallint	Number assigned to city
	Postal_code	Character varying (10)	Postal code of address
	Phone	Character varying (20)	The phone number
	Last_update	Timestamp (6) without time zone	Date and time of update

#### Links to

Table	Join
City	address.city_id = city.city_id

#### Links from

Table	Join
Store	store.address_id = address.address_id
Staff	staff.address_id = address.address_id
Customer	customer.address_id = address.address_id

#### City

	Columns	Data Type	Description
→	City_id	Serial	Number assigned to city
	City	Character varying (50)	The city listed
←	Country_id	Smallint	Number assigned to country
	Last_update	Timestamp (6) without time zone	Date and time of update



#### Links to

Table	Join
Country	city.country_id = country.country_id

#### Links from

Table	Join
Address	address.city_id = city.city_id

#### Country

	Columns	Data Type	Description
→	Country_id	Serial	Number assigned to country
	Country	Character varying (50)	The country listed
	Last_update	Timestamp (6) without time zone	Date and time of last update

#### Links from

Table	Join
City	city.country_id = country.country_id

#### Actor

	Columns	Data Type	Description
→	Actor_id	Serial	Number assigned to actor
	First_name	Character varying (45)	The name of the actor
	Last_name	Character varying (45)	Last name of the actor
	Last_update	Timestamp (6) without time zone	Date and time of update

#### Links from

Table	Join
Film_actor	film_actor.actor_id = actor.actor_id

## Film

	Columns	Data Type	Description
→	Film_id	Serial	Number assigned to film
	Title	Character varying (255)	The title of film
	Description	Text	Title written in text
	Release_year	Year	Year film was released
←	Language_id	Smallint	Number assigned to language
	Rental_duration	Smallint	The duration of the rental
	Rental_rate	Numeric(4,2)	The rating of the rental
	Length	Smallint	The length of the film
	Replacement_cost	Numeric(5,2)	The cost of replacing the film
	Rating	Mpaa_rating	The rating of the film
	Last_update	Timestamp (6) without time zone	Date and time of update
	Special_features	Text[]	The text describing special features of film
	Fulltext	TSVECTOR	The amount of text described in the film

## Links to

Table	Join
Language	film.language_id = language.language_id

## Links from

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

## Category

	Columns	Data Type	Description
→	Category_id	Serial	Number assigned to category
	Name	Character varying (25)	The name of the category

	Last_update	Timestamp (6) without time zone	Date and time of update
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Links from

Table	Join
Film_category	film_actor.category_id = category.category_id

Language

	Columns	Data Type	Description
→	Language_id	Serial	Number assigned to language
	Name	Character (2)	The name of the language
	Last_update	Timestamp (6) without time zone	Date and time of update

Links from

Table	Join
Film	film.language_id = language.language_id