

# ROCKBUSTER STEALTH DATA DICTIONARY

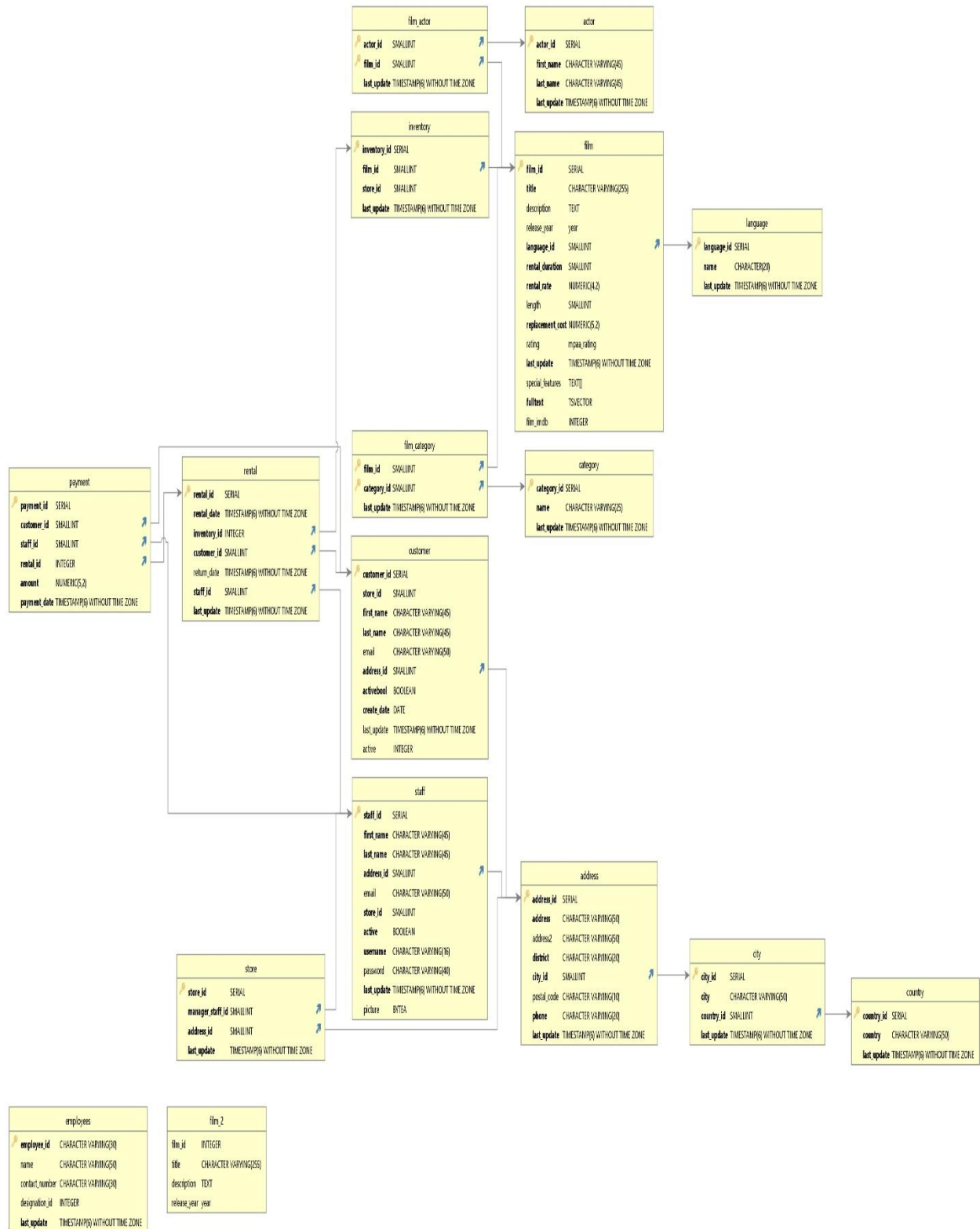


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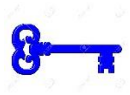
## 1) Entity Relationship Diagram



## 2) Legend




Primary Key



Foreign Key

### 3) Tables



#### A) ACTOR

Key	Column	Data Type	Description
	Actor_id	SERIAL	Primary key for number associated with each actor
	First_name	CHARACTER VARYING(45)	The first name of the actor
	Last_name	CHARACTER VARYING(45)	The last name of the actor
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update on the database

#### Linked From

Table	Join	Description
film_actor	Film_actor.actor_id = actor.actor_id	Foreign Key constraint referencing actor.actor_id

#### B) ADDRESS

Key	Column	Data Type	Description
	Address_id	SERIAL	Primary key relating to number linked to each address
	Address	CHARACTER VARYING(50)	The first line of the address
	Address2	CHARACTER VARYING(50)	The second line of the address
	District	CHARACTER VARYING(2)	The county of the address
	City_id	SMALLINT	The city of the address
	Postal_code	CHARACTER VARYING(10)	The zip code of the address
	phone	CHARACTER VARYING(20)	The customers phone number

	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database
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#### Links To

Table	Join	Description
City	address.city-id = city.city_id	Foreign Key constraint referencing city.city_id

#### Linked From

Table	Join	Description
Customer	customer.address_id = address.address_id	Foreign Key constraint referencing address.address_id
staff	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id
store	Store.address_id = address.address_id	Foreign key constraint referencing address.address_id


### C) CATEGORY


Key	Column	Data Type	Description
	Category_id	SERIAL	Primary key for category of film
	Name	CHARACTER VARYING(25)	Genre of each film
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database

#### Linked From

Table	Join	Description
Film_category	Film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

### D) CITY

Key	Column	Data Type	Description
	City_id	SERIAL	Primary key of the number associated with each city
	City	CHARACTER VARYING(50)	The city in which the rental takes place

	Country_id	SMALLINT	The country code of the film/rental
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the last update on the database


#### Links To

Table	Join	Description
country	City.country_id = country.country_id	Foreign Key constraint referencing country.country_id

#### Linked From

Table	Join	Description
address	Address.city_id = city.city_id	Foreign key constraint referencing city.city_id


### E) COUNTRY


Key	Column	Data Type	Description
	Country_id	SERIAL	Primary key for the country code
	Country	CHARACTER VARYING(50)	The country in which the film was made/rental took place
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Daye and time of last update on the database

#### Linked From

Table	Join	Description
city	City.city_id = country.city_id	Foreign Key constraint referencing country.city_id

### F) CUSTOMER

Key	Column	Data Type	Description
	Customer_id	SERIAL	Primary key for each registered customer

	Store_id	SMALLINT	Each store linked to each customer registered
	First_name	CHARACTER VARYING (45)	Customers first name
	Last_name	CHARACTER VARYING (45)	Customers last name
	Email	CHARACTER VARYING (50)	Customers email on file
	Address_id	SMALLINT	ID number associated with the customers address
	activebool	BOOLEAN	Is it an active customer or not
	Create_date	DATE	The date the customer registered and added to the database
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time and of last update in the database
	active	INTEGER	Customer active


#### Links To

Table	Join	Description
address	Customer.address_id = address.address_id	Foreign key constraint referencing address.address_id


#### Linked From

Table	Join	Description
rental	Rental.rental_id = customer.rental_id	Foreign key constraint referencing customer.rental_id
payment	Payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

#### G) FILM

Key	Column	Data Type	Description
	Film_id	SERIAL	Primary key for each film held
	Title	CHARACTER VARYING(255)	Name of each film
	Description	TEXT	Genre of each film and what the film is about



	Release_year	Year	When the film was released
	Language_id	SMALLINT	The original language the film was produced in
	Rental_duration	SMALLINT	Length of rental
	Rental_rate	NUMERIC(4,2)	Cost of the rental
	Length	SMALLINT	Duration of each film
	Replacement_cost	NUMERIC(5,2)	Charge of a film if it is lost or not returned
	Rating	Mpaa_rating	Film rating
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database
	Special_features	TEXT[]	Any extra content, behind the scenes
	Fulltext	TSVECTOR	Format of the movie title



#### Links To



Table	Join	Description
language	Film.language_id = language.language_id	Foreign key constraint referencing language.language_id

#### Linked From

Table	Join	Description
Film_actor	Film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id
inventory	Inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id
Film_category	Film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id

#### H) FILM ACTOR





Key	Column	Data Type	Description
 	Actor_id	SMALLINT	Primary key for each actor identification

 	Film_id	SMALLINT	ID number for each film stored
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database

#### Links To

Table	Join	Description
actor	Film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id
film	Film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id



#### I) FILM CATEGORY

Key	Columns	Data Type	Description
 	Film_id	SMALLINT	Primary Key for each film
 	Category_id	SMALLINT	Primary key for the film genre
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date/time when the film was last

#### Links To

Table	Join	Description
film	Film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id
category	Film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

## J) INVENTORY

Key	column	Data Type	Description
	Inventory_id	SERIAL	Primary key for inventory records
	Film_id	SMALLINT	Each film associated with each inventory record id
	Store_id	SMALLINT	Each store linked to each inventory id record
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last update of inventory records


### Links To

Table	Join	Description
film	Inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id

### Linked from

Table	Join	Description
rental	Rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id

## K) LANGUAGE





Key	Column	Data Type	Description
	Language_id	SERIAL	Primary key for the original language of the film
	Name	CHARACTER(20)	Original language the film was made in
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database

### Linked From

Table	Join	Description
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film	Film.language_id = language.language_id	Foreign key constraint referencing language.language_id
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## L) PAYMENT





Key	Column	Data Type	Description
	Payment_id	SERIAL	Primary Key for each payment, number given for each payment
	Customer_id	SMALLINT	Number given to each customer
	Staff_id	SMALLINT	Number representing each staff
	Rental_id	INTEGER	Number given each time a film is rented
	amount	NUMERIC (5,2)	The cost of each rental transaction
	Payment_date	TIMESTAMP (6) WITHOUT TIMEZONE	The date/time the transaction takes place

## Links To

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

## M) RENTAL

Key	Column	Data Type	Description
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	Rental_id	SERIAL	Primary key, number of the rental
	Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date when the rental started
	Inventory_id	INTEGER	Number associated with the rental inventory
	Customer_id	SMALLINT	Number associated with the customer renting the film
	Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date when the films have to be returned
	Staff_id	SMALLINT	The number associated with the staff member processing the rental
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update on the database

### Links To



Table	Join	Description
inventory	Rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	Rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	Rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

### Linked From

Table	Join	Description
payment	Payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id

### N) STAFF

Key	Column	Data Type	Description
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	Staff_id	SERIAL	Primary key to identify the staff member
	First_name	CHARACTER VARYING(45)	Staff first name
	Last_name	CHARACTER VARYING(45)	Staff last name
	Address_id	SMALLINT	ID number associated with the staff members address
	Email	CHARACTER VARYING(50)	Staff members email
	Store_id	SMALLINT	Store which the staff member is associated with
	Active	BOOLEAN	If the staff member is a current employee or previous
	username	CHARACTER VARYING(16)	The company assigned username for each staff member
	Password	CHARACTER VARYING(40)	The password assigned to each staff member
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last staff update
	picture	BYTEA	Image of the employees number

### Links To




Table	Join	Description
address	Staff.address_id = address.address_id	Foreign key constrain referencing address.address_id

### Linked From

Table	Join	Description
rental	Rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
store	Store.manager_staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

payment	Payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
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## O) STORE

Key	Column	Data Type	Description
	Store_id	SERIAL	Primary key for each store as a number
	Manager_staff_id	SMALLINT	Id number associated with the store id
	Address_id	SMALLINT	Id number for the address associated with the store
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last store update on the database

## Links To

Table	Join	Description
Staff	Store.manager_staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
address	Store.address_id = address.address_id	Foreign key constraint referencing address.address_id