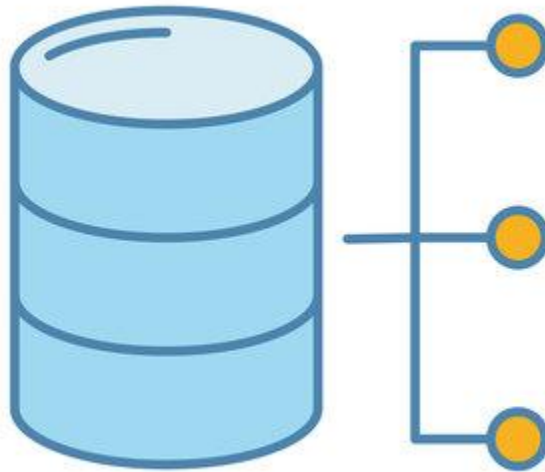


# ROCKBUSTER STEALTH LLC




## Data Dictionary






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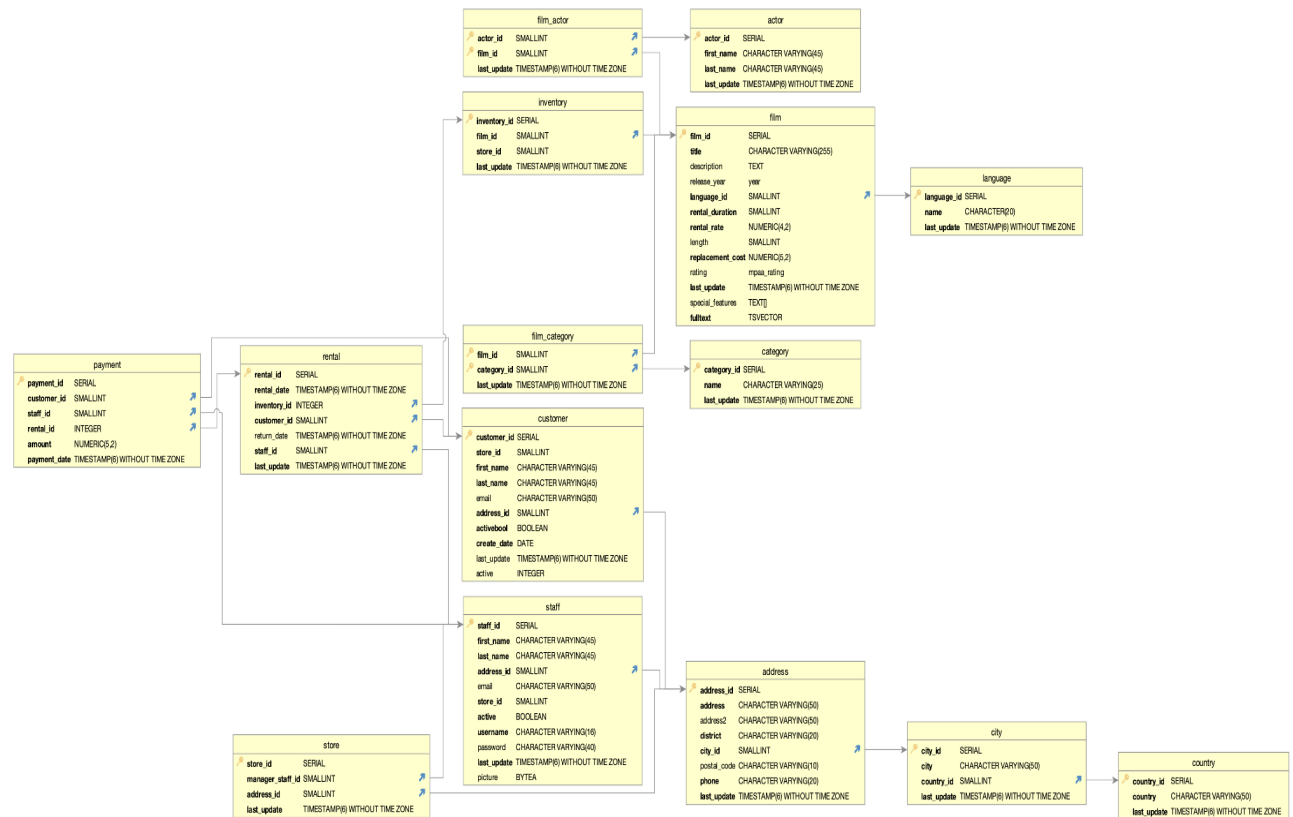
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# Legend

	Primary Key
	Foreign Key
	Composite Key

	Primary Key relation from
	Foreign Key relation to
	Composite key relation with





# Entity Relationship Diagram (ERD)






## Fact tables

- payment

### Columns





Key	Column	Data Type	Description
	payment_id	SERIAL	Automatically generated unique identification number to individual payment
	customer_id	SMALLINT	Unique identification number assigned to individual customer
	staff_id	SMALLINT	Unique identification number assigned to individual staff member
	rental_id	INTEGER	Unique identification number assigned to individual rental
	amount	TIMESTAMP(6) WITHOUT TIME ZONE	Total amount paid
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

### Links to


Key	Table	Join
	customer	payment.customer_id = customer.customer_id
	staff	payment.staff_id = staff.staff_id
	rental	payment.rental_id = rental.rental_id

- rental




#### Columns

Key	Column	Data Type	Description
	rental_id	SERIAL	Automatically generated unique identification number to individual rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when the rental proceeded
	inventory_id	INTEGER	Unique identification number assigned to individual item
	customer_id	SMALLINT	Unique identification number assigned to individual customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Unique identification number assigned to individual customer
	staff_id	SMALLINT	Unique identification number assigned to individual employee
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

#### Linked from

Key	Table	Join
	payment	payment.rental_id = rental.rental_id




#### Links to

Key	Table	Join
	inventory	rental.inventory_id = inventory.inventory_id
	customer	rental.customer_id = customer.customer_id
	staff	rental.staff_id = staff.staff_id



# Dimension tables

- store

## Columns



Key	Column	Data Type	Description
	store_id	SERIAL	Automatically generated unique identification number to individual store
	manager_staff_id	SMALLINT	Unique identification number assigned to individual store manager
	address_id	SMALLINT	Unique identification number assigned to individual store address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

## Links to



Key	Table	Join
	staff	store.manager_staff_id = staff.staff_id
	address	store.address_id = address_id

- film\_category

#### Columns



Key	Column	Data Type	Description
	film_id	SMALLINT	Unique identification number assigned to individual film
	category_id	SMALLINT	Unique identification number assigned to individual genre
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Data and time of the last update

#### Linked with

Key	Table	Join
	film	film_category.film_id = film.film_id
	category	film_category.category_id = category.category_id



- film\_actor

#### Columns

Key	Column	Data Type	Description
	actor_id	SMALLINT	Unique identification number assigned to individual actor
	film_id	SMALLINT	Unique identification number assigned to individual film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update





### Linked with


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

- inventory


### Columns

Key	Column	Data Type	Description
	inventory_id	SMALLINT	Unique identification number assigned to individual item
	film_id	SMALLINT	Unique identification number assigned to individual film
	store_id	SMALLINT	Unique identification number assigned to individual store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

### Linked from


Key	Table	Join
	rental	rental.inventory_id = inventory.inventory_id

### Linked to


Key	Table	Join
	film	Inventory.film_id = film.film_id

- category

*Columns*


Key	Column	Data Type	Description
	category_id	SERIAL	Automatically generated identification number to individual genre
	name	CHARACTER VARYING (25)	Name of the genre
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

*Linked from*


Key	Table	Join
	film_category	film_category.category_id = category.category_id

- language

*Columns*



Key	Column	Data Type	Description
	language_id	SERIAL	Automatically generated identification number to individual language
	name	CHARACTER (20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

*Linked from*




Key	Table	Join
	film	film.language_id = language.language_id

- film


### Columns

Key	Column	Data Type	Description
	film_id	SERIAL	Automatically generated identification number to individual film
	title	CHARACTER VARYING (255)	Title of the film
	description	TEXT	Brief introduction of the film
	release_year	year	Release year of the film
	language_id	SMALLINT	Unique identification number assigned to individual language
	rental_duration	SMALLINT	Number of days the film is rented for
	rental_rate	NUMERIC (4,2)	Rental price of the film
	length	SMALLINT	Length of film in minutes
	replacement_cost	NUMERIC (5,2)	Cost of replacing the film if lost
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update
	special_features	TEXT[]	Special features included in the film such as trailers, deleted scenes, etc
	fulltext	TSVECTOR	Text in a form optimized for text search

*Linked from*



Key	Table	Join
	film_actor	film_actor.film_id = film.film_id
	inventory	inventory.film_id = film.film_id
	film_category	film_category.film_id = film.film_id

*Linked to*




Key	Table	Join
	language	film.language_id = language.language_id

- staff


#### Columns

Key	Column	Data Type	Description
	staff_id	SERIAL	Automatically generated identification number to individual employee
	first_name	CHARACTER VARYING (45)	First name of staff member
	last_name	CHARACTER VARYING (45)	Last name of staff member
	addresss_id	SMALLINT	Unique identification number assigned to individual of staff member's address
	email	CHARACTER VARYING (50)	Email of staff member
	store_id	SMALLINT	Unique identification number assigned to individual store
	active	BOOLEAN	Is a staff member active? True or False
	username	CHARACTER VARYING (16)	Username of staff member
	password	CHARACTER VARYING (40)	Password of staff member
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date
	picture	BYTEA	Picture of staff member in binary data

#### Linked from



Key	Table	Join
	rental	rental.staff_id = staff.staff_id
	payment	payment.staff_id = staff.staff_id
	store	store.manager_staff_id = staff.staff_id

### Linked to



Key	Table	Join
	address	staff.address_id = address.address_id

- customer


### Columns

Key	Column	Data Type	Description
	customer_id	SERIAL	Automatically generated unique identification number to an individual customer
	store_id	CHARACTER VARYING (45)	Unique identification number assigned to an individual store
	first_name	CHARACTER VARYING (45)	First name of customer
	last_name	SMALLINT	Last name of customer
	email	CHARACTER VARYING (50)	Email of customer
	address_id	SMALLINT	Unique numeric ID assigned to customer's address
	activebool	BOOLEAN	Is the customer active? True or False
	create_date	CHARACTER VARYING (16)	Date customer profile was created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update
	active	INTEGER	Is the customer active? 0 or 1

### *Linked from*


Key	Table	Join
	payment	payment.customer_id = customer.customer_id
	rental	rental.customer_id = customer.customer_id

### *Linked to*


Key	Table	Join
	address	customer.address_id = address.address_id

- actor

### *Columns*



Key	Column	Data Type	Description
	actor_id	SERIAL	Automatically generated unique identification number to individual actor
	first_name	CHARACTER VARYING (25)	First name of actor
	last_name	CHARACTER VARYING (25)	Last name of actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

### *Linked From*




Key	Table	Join
	film_actor	actor.actor_id = film_actor.actor_id

- address

#### Columns


Key	Column	Data Type	Description
	address_id	SERIAL	Automatically generated identification number to individual address
	address	CHARACTER VARYING (50)	First line of address
	address2	CHARACTER VARYING (50)	Supplemen Second line of address
	district	CHARACTER VARYING (20)	District of the address
	city_id	SMALLINT	Unique identification number assigned to individual city
	postal_code	CHARACTER VARYING (10)	Postal code of the address
	phone	CHARACTER VARYING (20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

#### Linked from

Key	Table	Join
	customer	customer.address_id = address.address_id
	staff	staff.address_id = address.address_id
	store	store.address_id = address.address_id




*Linked to*


Key	Table	Join
	city	address.city_id = city.city_id

- city


*Columns*

Key	Column	Data Type	Description
	city_id	SERIAL	Automatically generated unique identification number to individual city
	city	CHARACTER VARYING (50)	Name of the city
	country_id	SMALLINT	Unique identification number assigned to individual country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

*Linked from*


Key	Table	Join
	address	address.city_id = city.city_id

*Linked to*

Key	Table	Join
	country	city.country_id = country.country_id

- country

*Columns*

Key	Column	Data Type	Description
	country_id	SERIAL	Automatically generated unique identification number to individual country
	country	CHARACTER VARYING (50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of the last update

*Linked from*

Key	Table	Join
	city	city.country_id = country.country_id