



---

# ROCKBUSTER STEALTH

---

Data Dictionary #1



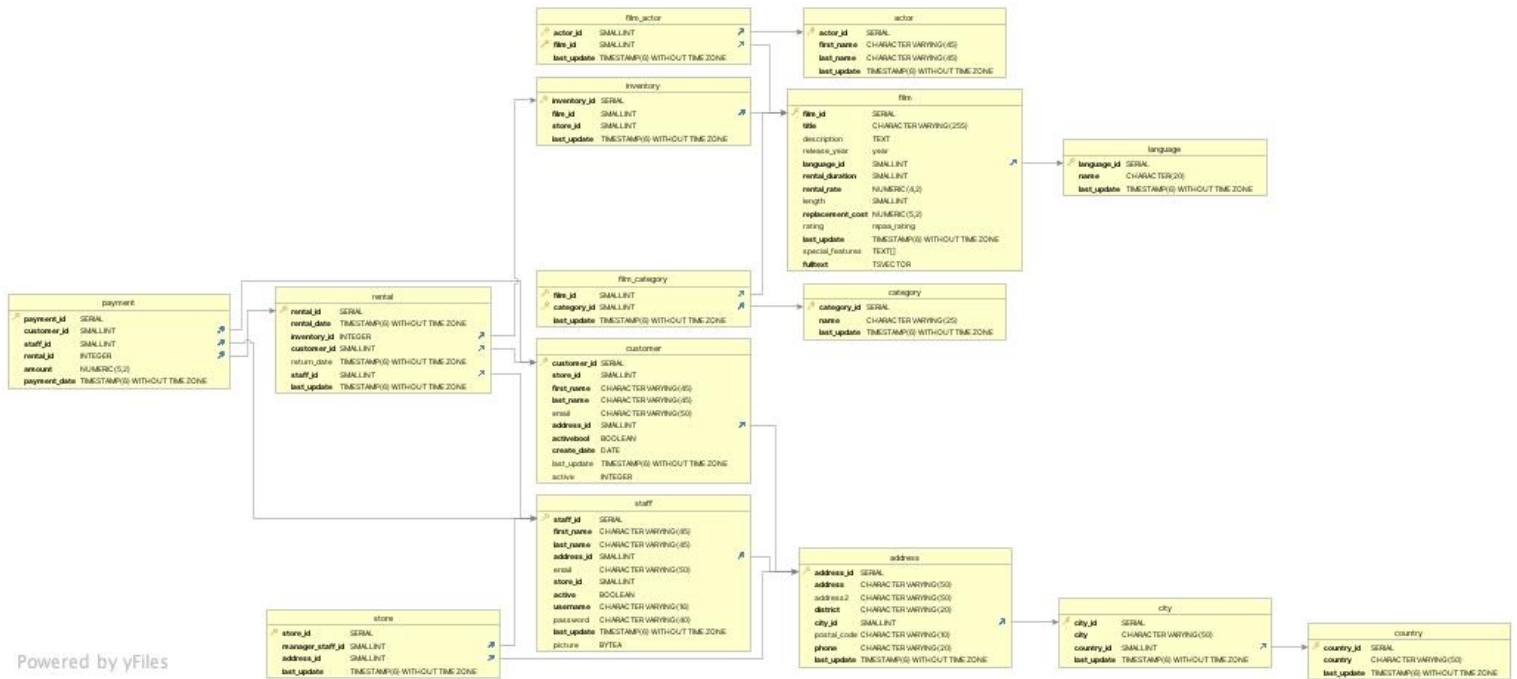
FEBRUARY 6, 2026  
ALEJANDRO CISNEROS

## Table of Contents


### Table of Contents


<b>Table of Contents .....</b>	<b>1</b>
<b>Entity Relationship Diagram .....</b>	<b>2</b>
<b>Tables.....</b>	<b>3</b>
<b>Fact Tables.....</b>	<b>3</b>
Payment .....	3
Rental.....	4
<b>Dimension Tables.....</b>	<b>4</b>
Inventory .....	4
Film_category .....	5
Column .....	5
Data Type .....	5
Description .....	5
Category .....	5
Film_actor .....	6
Film .....	6
Actor .....	7
Language .....	7
Customer .....	8
Address .....	8
Staff.....	9
Store .....	10
City.....	11
Country .....	11

# Entity Relationship Diagram







## Tables

Primary Key: 

Foreign Key: 





## Fact Tables

### Payment

	Column	Data Type	Description
	payment_id	Serial	Primary key, unique identifier for the payment
	customer_id	Smallint	Foreign key, unique identifier for the customer
	staff_id	Smallint	Foreign key, unique identifier for the staff member
	rental_id	Integer	Foreign key, unique identifier for the rental transaction
	amount	Numeric(5,2)	Monetary amount of the payment
	payment_date	Timestamp without TZ	Date and time of the payment

Links to:	Join
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id
rental	payment.rental_id = rental.rental_id

## Rental


	Column	Data Type	Description
	rental_id	Serial	Primary key, unique identifier for the rental transaction
	rental_date	Timestamp without TZ	Date and time when the rental started
	inventory_id	Integer	Foreign key, unique identifier for the rented item
	customer_id	Smallint	Foreign key, unique identifier for the customer renting
	return_date	Timestamp without TZ	Date and time indicating when the rental item is due to be returned
	staff_id	Smallint	Foreign key, unique identifier for the staff member handling the rental
	last_update	Timestamp without TZ	Date indicating the last update of records



Links to:	Join
inventory	rental.inventory_id=inventory.inventory_id
customer	rental.customer_id=customer.customer_id
staff	rental.staff_id=staff.staff_id

Links from:	Join
payment	payment.rental_id = rental.rental_id

## Dimension Tables

### Inventory



	Column	Data Type	Description
	inventory_id	Serial	Primary key, unique identifier for inventory

	film_id	Smallint	Foreign key, unique identifier for the movie
	store_id	Smallint	Foreign key, unique identifier for the store
	last_update	Timestamp (6) without TZ	Date indicating the last update of inventory records

Links to:	
Film	inventory.film_id=film.film_id
Store	inventory.store_id=store.store_id


Links from:	Join
Rental	rental.inventory_id=inventory.inventory_id

#### Film\_category

	Column	Data Type	Description
	film_id	Smallint	Foreign key, unique identifier for the movie
	category_id	Smallint	Foreign key, unique identifier for the category
	last_update	Timestamp (6) without TZ	Date indicating the last update of records



Links to:	
Film	film_category.film_id=film.film_id
Category	film_category.category_id=category.category_id

#### Category

	Column	Data Type	Description
	Category_id	Smallint	Primary key, unique identifier for the category
	Name	Varchar(12)	Name of the film category
	Last_update	Timestamp(6) without TZ	Date indicating the last update of records



Links from:	Join
Film_category	film_category.category_id=category.category_id

#### Film\_actor

	Column	Data Type	Description
	Actor_id	Smallint	Foreign key, Unique identifier for the actor
	Film_id	Smallint	Foreign key, unique identifier for the film
	Last_update	Timestamp(6) without TZ	Date indicating the last update of records

Links to:	Join
Actor	film_actor.actor_id=actor.actor_id
Film	film_actor.film_id=film.film_id

#### Film


	Column	Data Type	Description
	film_id	Serial	Primary key, unique identifier for the film
	title	Varchar(255)	Title of the film
	description	Text	Description of the film
	release_year	Year	Year the film was released
	language_id	Smallint	Foreign key, unique identifier for the language in film
	rental_duration	Smallint	Number of days the film can be rented for
	rental_rate	Numeric(4,2)	Cost of renting the film
	length	Smallint	Length of the film in minutes
	replacement_cost	Numeric(5,2)	Cost to replace the film if lost or damaged
	rating	MPAA_rating	Rating of the film by MPAA

	last_update	Timestamp without TZ	Date indicating the last update of records
	special_features	Text	Extra features of the film
	fulltext	TSVECTOR	Text-searchable data for the film

Links to:	Join
Language	film.language_id=language.language_id


Links from	Join
Inventory	inventory.film_id=film.film_id
Film_actor	film_actor.film_id=film.film_id
Film_catgory	film_category.film_id=film.film_id

## Actor

	Column	Data Type	Description
	actor_id	Serial(4)	Primary key, unique identifier for the actor
	first_name	Varchar(12)	First name of the actor
	last_name	Varchar(12)	Last name of the actor
	last_update	Timestamp without TZ	Date indicating the last update of records

Links from:	
film_actor	film_actor.actor_id=actor.actor_id




## Language

	Column	Data Type	Description
	Language_id	Serial	Primary key, unique identifier for the language
	Name	Character(20)	Name of the language
	Last_update	Timestamp without TZ	Date indicating the last update of records

Links from:	
Film	film.language_id=language.language_id



## Customer

	Column	Data Type	Description
	customer_id	Serial	Primary key, unique identifier for the customer
	store_id	Smallint	Foreign key, unique identifier for the store where customer shops
	first_name	Varchar(45)	First name of the customer
	last_name	Varchar(45)	Last name of the customer
	email	Varchar(50)	Email address of the customer
	address_id	Smallint	Foreign key, unique identifier for the address
	activebool	Boolean	Indicates if the customer account is active (true/false)
	create_date	Date	Date when the customer account was created
	last_update	Timestamp without TZ	Date indicating the last update of records
	active	Integer	Indicates if the customer account is active (1 for active, 0 for inactive)

### Links to:



Store	<b>customer.store_id=store.store_id</b>
Address	<b>customer.address_id=address.address_id</b>

### Links from:

Rental	<b>rental.customer_id=customer.customer_id</b>
Payment	<b>payment.customer_id=customer.customer_id</b>

## Address

Column	Data Type	Description
--------	-----------	-------------

	address_id	Serial	Primary key, unique identifier for the address
	address	Varchar(50)	Street address
	address2	Varchar(50)	Additional address information (e.g., apartment number)
	district	Varchar(20)	District, state, or region name
	city_id	Smallint	Foreign key, unique identifier for the city
	postal_code	Varchar(10)	Postal code
	phone	Varchar(20)	Phone number associated with the address
	last_update	Timestamp without TZ	Date indicating the last update of records

#### Links to:

City




address.city\_id=city.city\_id

#### Links from:

Customer

customer.address\_id=address.address\_id

### Staff




	Column	Data Type	Description
	staff_id	Serial	Primary key, unique identifier for the staff member
	first_name	Varchar(45)	First name of the staff member
	last_name	Varchar(45)	Last name of the staff member
	address_id	Smallint	Foreign key, unique identifier for the staff member's address
	email	Varchar(50)	Email address of the staff member
	store_id	Smallint	Foreign key, unique identifier for the store where the staff member works

	active	Boolean	Indicates if the staff member is active (true/false)
	username	Varchar(16)	Username for the staff member's internal account
	password	Varchar(40)	Password for the staff member's internal account
	last_update	Timestamp without TZ	Date indicating the last update of records
	picture	Bytea	Image of the staff member

Links to	
Address	staff.address_id=address.address_id
Store	staff.store_id=store.store_id

Links from:	
Rental	rental.staff_id=staff.staff_id
Payment	payment.staff_id=staff.staff_id

## Store



	Column	Data Type	Description
	store_id	Serial	Primary key, unique identifier for the store
	manager_staff_id	Smallint	Foreign key, unique identifier for the store manager
	address_id	Smallint	Foreign key, unique identifier for the store's address
	last_update	Timestamp without TZ	Date indicating the last update of records

Links to:	
Address	store.address_id=address.address_id

Links from:	
Staff	staff.store_id=store.store_id
Customer	customer.store_id=store.store_id

<b>Inventory</b>	inventory.store_id=store.store_id
------------------	-----------------------------------


## City

	Column	Data Type	Description
	city_id	Serial	Primary key, unique identifier for the city
	city	Varchar(50)	Name of the city
	country_id	Smallint	Foreign key, unique identifier for the country
	last_update	Timestamp without TZ	Date indicating the last update of records

<b>Links to:</b>	
<b>Country</b>	city.country_id=country.country_id

<b>Links from:</b>	
<b>Address</b>	address.city_id=city.city_id

## Country

	Column	Data Type	Description
	country_id	Serial	Primary key, unique identifier for the country
	country	Varchar(50)	Name of the country
	last_update	Timestamp without TZ	Date indicating the last update of records

<b>Links from:</b>	<b>Join</b>
<b>City</b>	city.country_id=country.country_id