

# **ROCKBUSTER STEALTH**

## **DATA DICTIONARY**



November 2022

HOLLYWOOD  
PRODUCTION

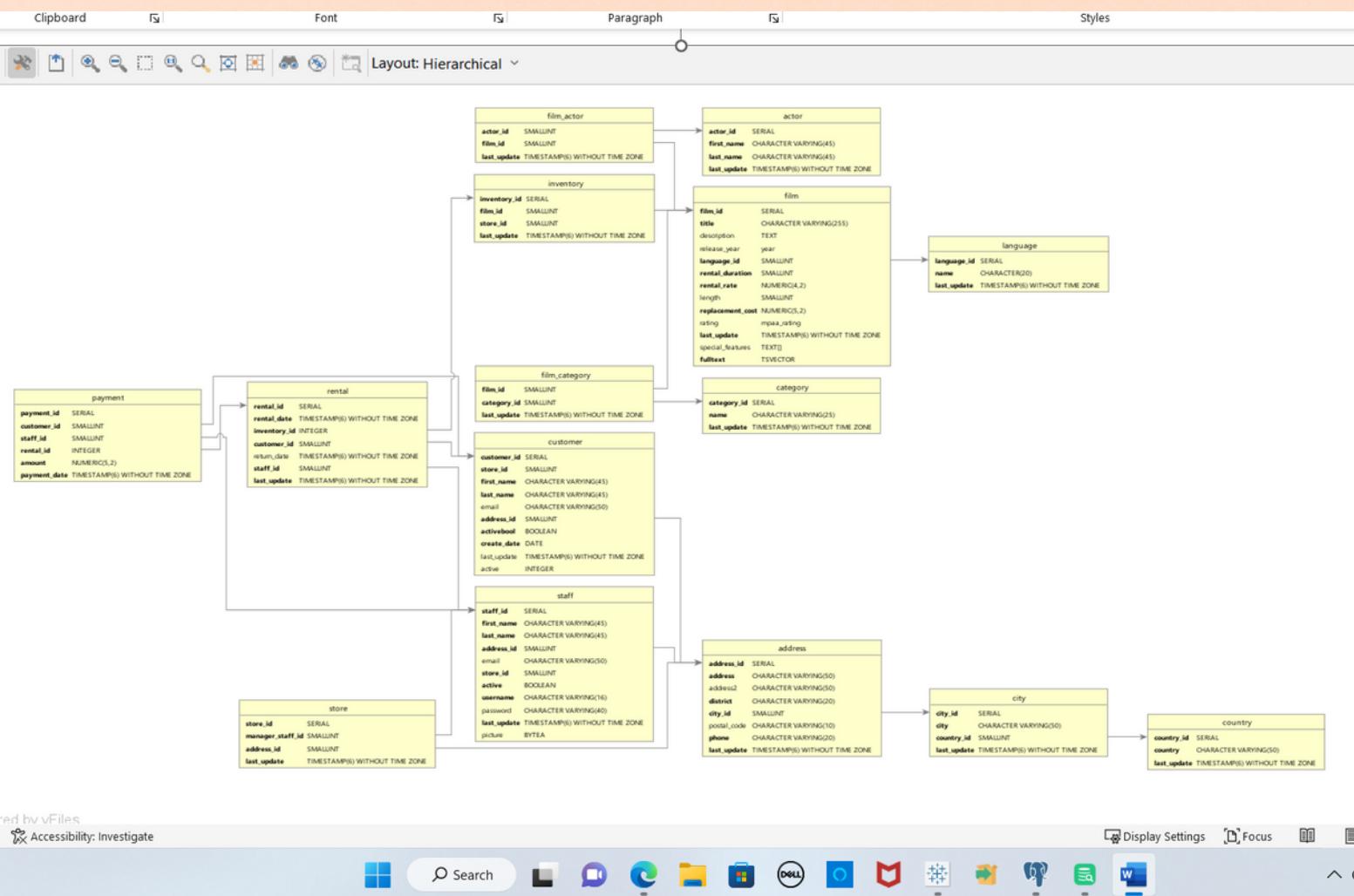
By: Rachel H-B

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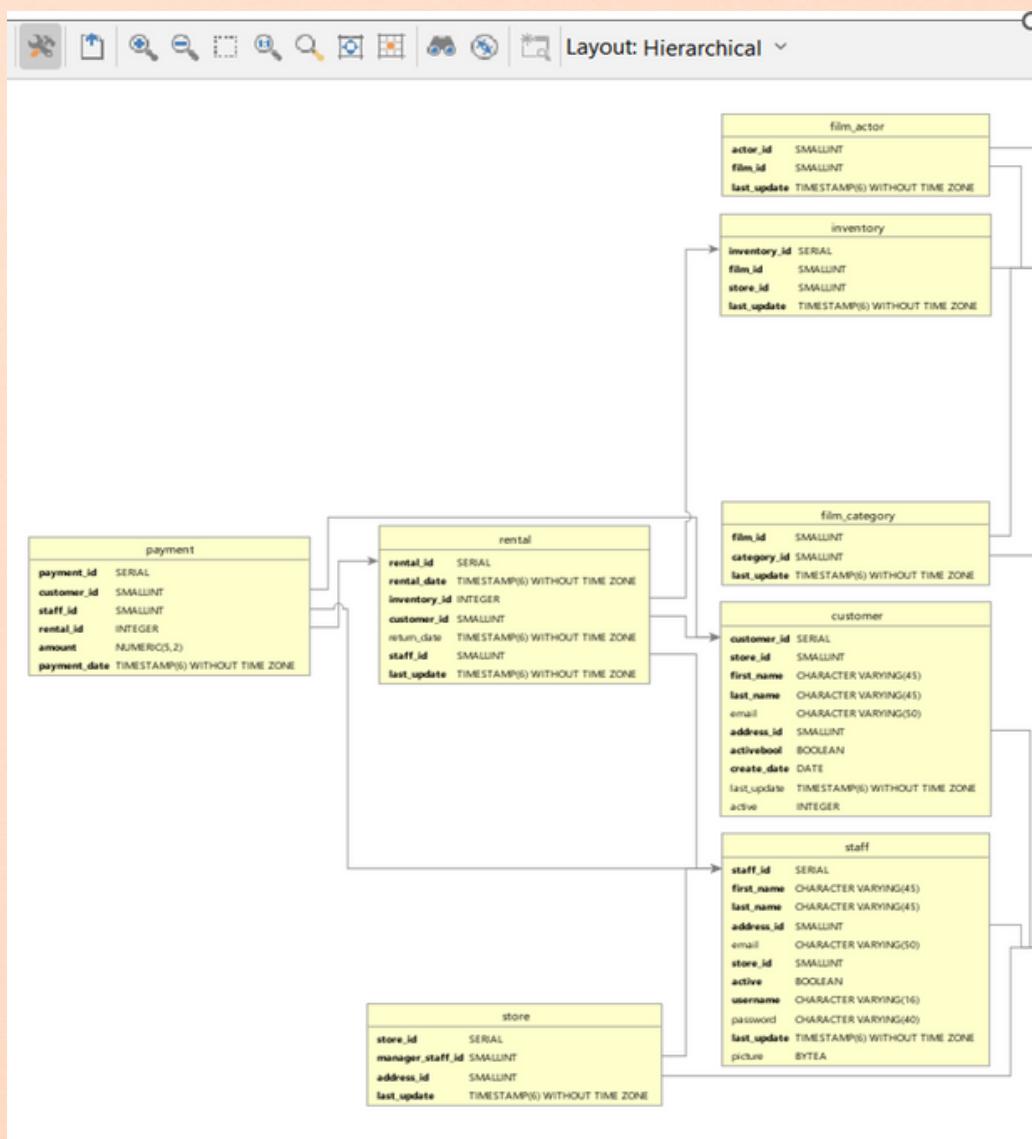
## Entity Relationship Diagram (ERD)



This is a snowflake schema and the entities have connections to other dimension tables with unique ID for all related records.

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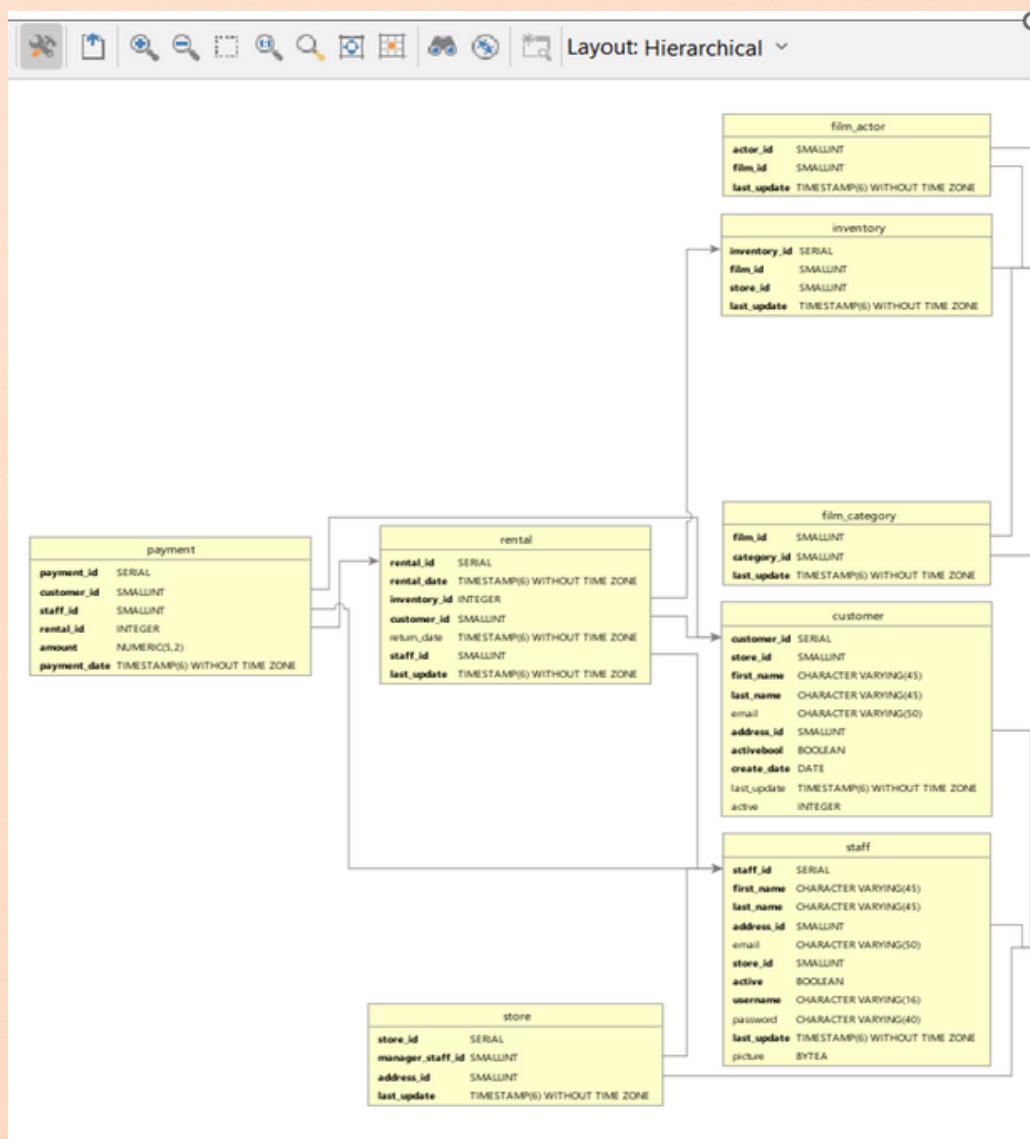
Rental Tables (Fact Table)  
(inventory, customer, staff tables)



	Column	Description/Attributes	Format	Table links
				FROM TO
(Primary key)				
rental	rental_id	Unique ID assigned to each movie	Integer	payment table
(Foreign key)				
rental	customer_id	Customer ID to whom the movie was issued	Smallint	customer
(Foreign key)				
rental	inventory_id	ID assigned for record keeping	Integer	inventory
	staff_id	ID for each staff person working in system	Smallint	staff
	return_date	The date and time of return timestamp without time zone		
(Foreign key)				
rental	last_update	The date and time of last status timestamp without time zone		
	rental	The date and time movie was rented timestamp without time zone		

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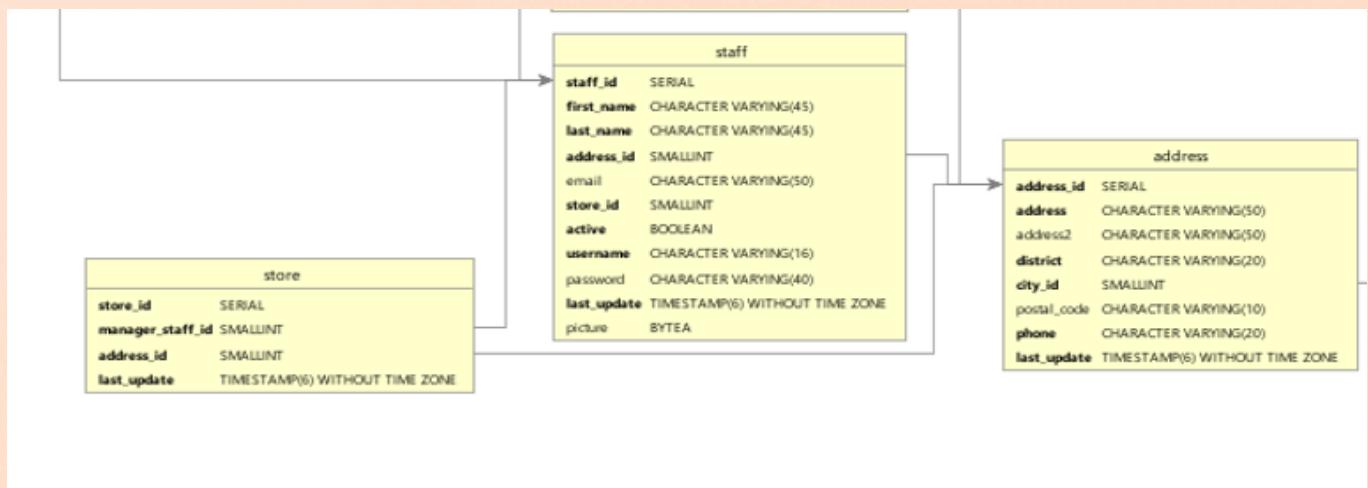
Payment Tables (Fact)  
(customer, staff, rental)



	Column	Description/Attributes	Format	Table links
				FROM TO
Payment (Primary Key)	payment_id	Payment ID for record keeping	Integer	
Payment (Foreign Key)	customer_id	Customer the movie was issued to	Smallint	customer
Payment (Foreign Key)	rental_id	The movie ID assigned to each movie	Integer	rental
(Foreign Key)	staff_id	The unique ID for the staff as a certain store	Smallint	staff
	payment_date	Time of payment/date timestamp without time zone		
	payment_amount	Amount of payment by customer for rental	Numeric	

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## Store Table (Dimension) (store, staff, address)



Column	Description/Attributes	Format	Table links
			FROM      TO
( Primary Key )	store_id	Store Id (unique store info)	
(Foreign Key)	address_id	Address of Store	Smallint address
(Foreign Key)	manager_staff_id	Store Manager ID	Smallint staff
	last_update	last update by staff	timestamp without time zone

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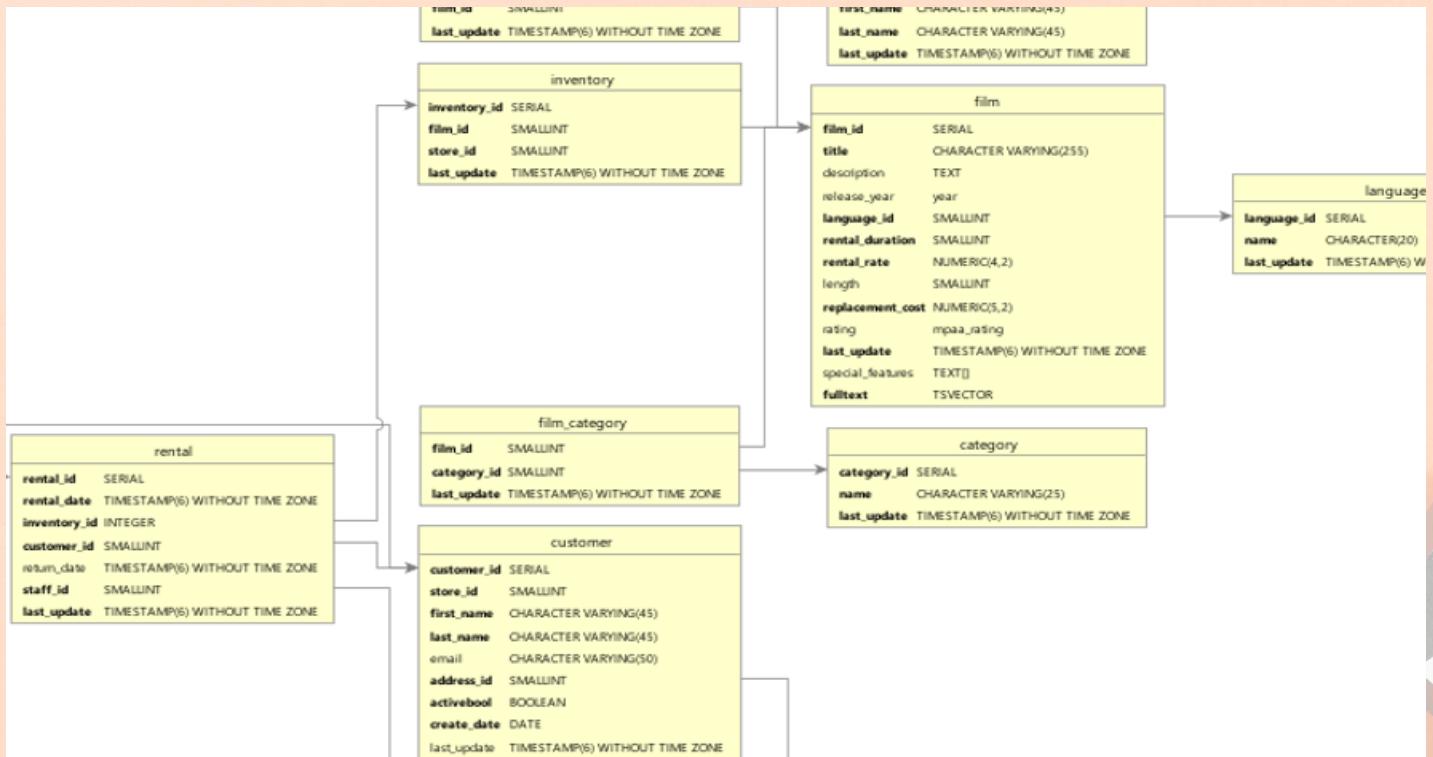
## Staff Table (Dimension) (store, rental, payment, address)



Column	Description/Attributes	Format	Table links
(Primary Key)	staff_id	Unique Id for a staff member	FROM store,rental, payment TO
(Foreign Key)	address_id	Postal Address for staff	address
	active	If Staff is active or not	
	picture	Photo of staff	
	last_name	Last Name of Staff member	
	first_name	First Name of Staff member	
	username	Username of staff for system	
	password	Password for staff	
	email	Email address of staff member	
	store_id	The unique ID for the store a staff may work at	
	last_update	Time of last update by staff	

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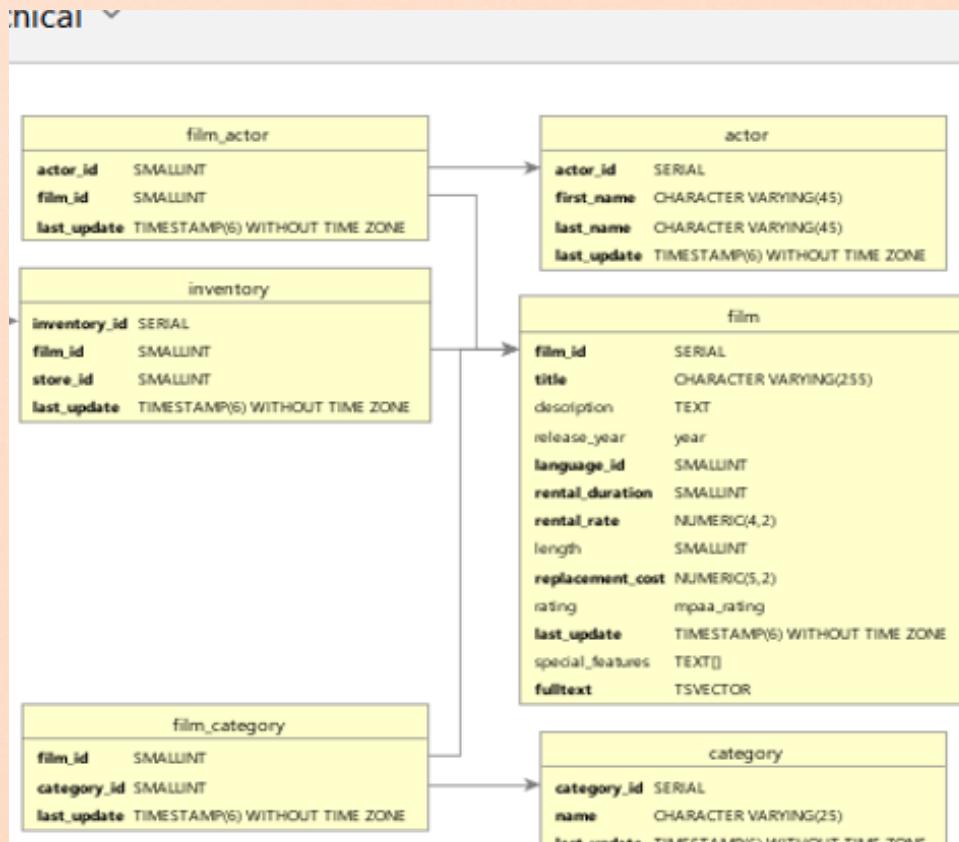
## Inventory Table (Dimension) (inventory, film)



Column	Description/Attributes	Format	Table links
(Primary Key)			FROM TO
inventory_id	ID assigned for the record keeping for each movie	integer	rental
film_id	The unique ID for a movie	smallint	film
store_id	The unique ID for each store	smallint	
last_update	The last updated status of the inventory	timestamp without time zone	

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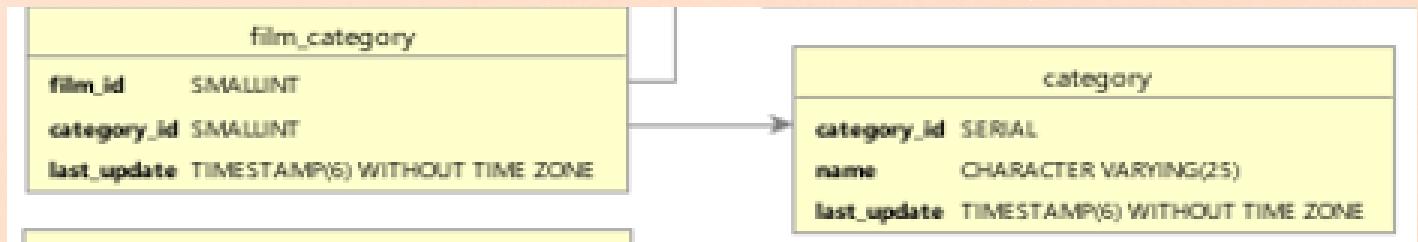
Film Table (Dimension)  
(inventory, film\_actor,film\_category)



Column	Description/Attributes	Format	Table links
(primary Key) <code>film_id</code>	Unique ID for each film/movie	Integer	FROM inventory,Film_cat,Film_actor TO language
(Foreign Key) <code>language_id</code>	ID for the language each film is in	Smallint	
<code>replacement_cost</code>	Cost to replace the film if lost or stolen	Numeric	
<code>rental_duration</code>	How long the film was rented for	Smallint	
<code>Title</code>	The name of the film	character varying	
<code>rental_rate</code>	How much it costs to rent the specific movie	Numeric	
<code>Length</code>	The run time for each movie	Smallint	
<code>Fulltext</code>	Key words	Tsvector	
<code>release_year</code>	Year the movie was released	Integer	
<code>last_update</code>	Time of last updated status	timestamp without time zone	
<code>Rating</code>	Movie Rating by mpaa	USER-DEFINED	
<code>description</code>	What movie is about	Text	
<code>special_features</code>	Special features such as HD or Blue Ray or subtitles etc.	Array	

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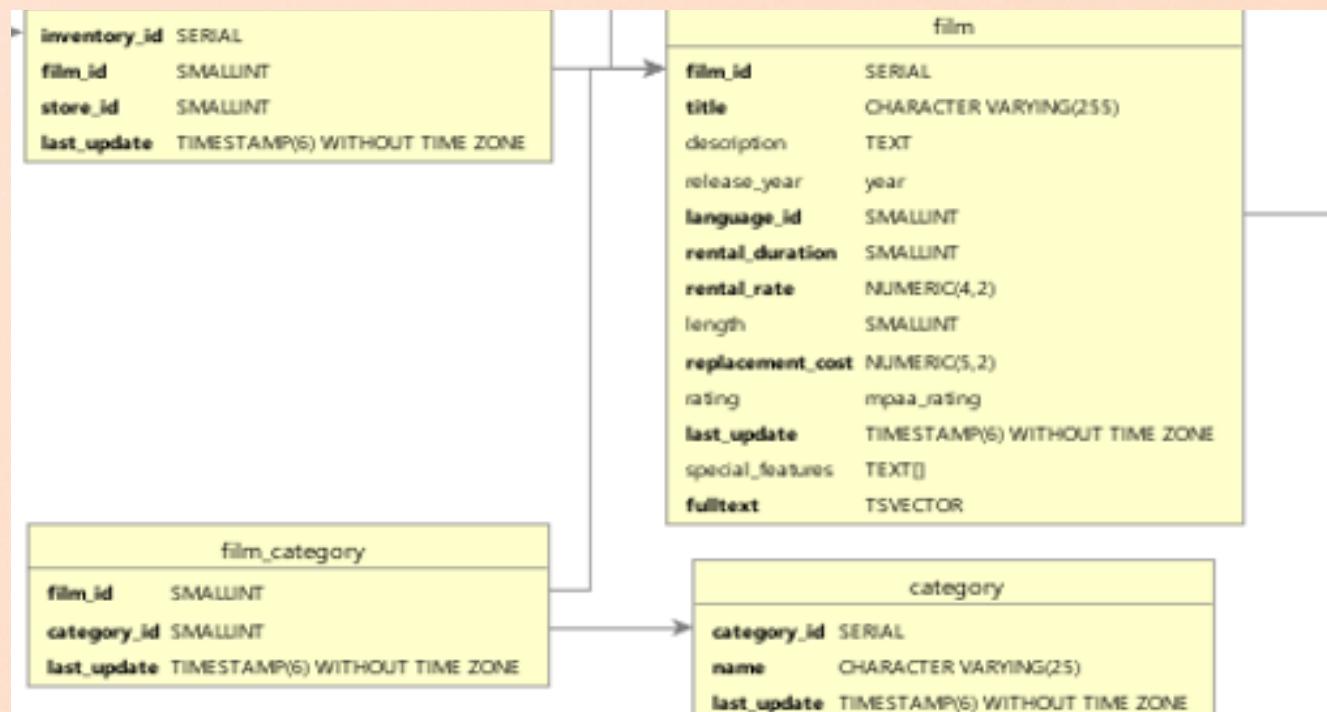
## Category Table (Dimension) (film\_category)



Column	Description/Attributes	Format	Table links	
			From	To
(Primary Key) <b>category_id</b>	The ID for each category/type of movie	Smallint		
<b>last_update</b>	Time last updated status in the system	timestamp without time zone		
<b>name</b>	full name of film/movie category	character varying		

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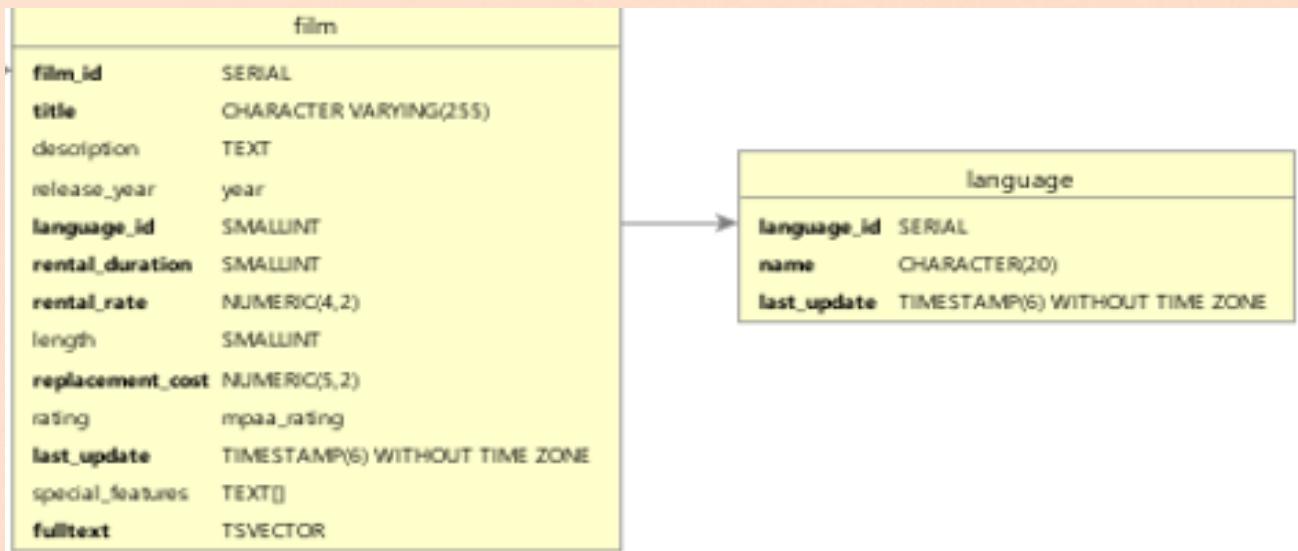
## FILM Category Table (Dimension) (film and category)



Column	Description/Attributes	Format	Table links
(Foreign /Primary Key)	From	To	
category_id	The ID for each category/type of movie	Smallint	
(Foreign/Primary Key) film_id	Unique ID for each film	Smallint	
last_update	The last updated status in system	timestamp without time zone	category film

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## Language Table (Dimension) (film )

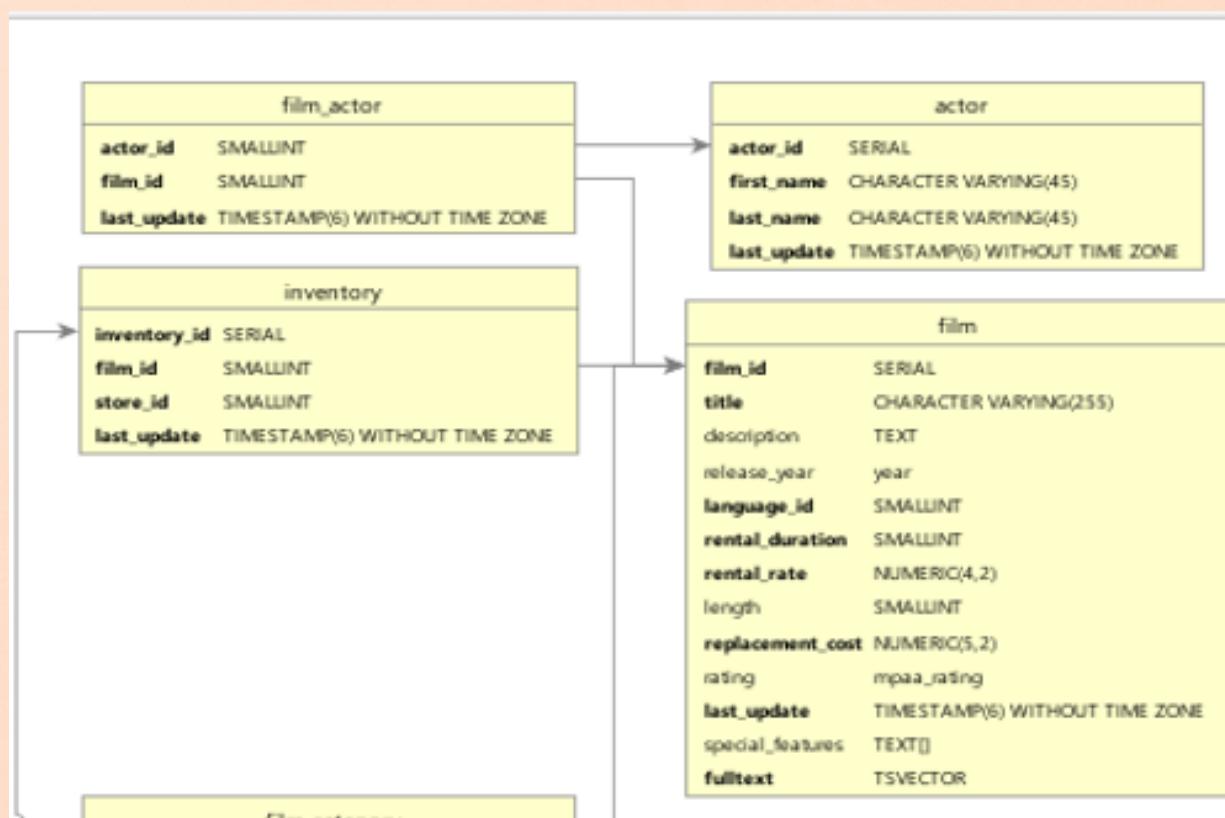


Column	Description/Attributes	Format	Table links
(Foreign /Primary Key)	language_id	From film	TO
language_id	The ID the language of movies is in	Integer	
name	Name of language	Character	
last_update	The last updated status in system	Timestamp without time zone	

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## Actor Table (Dimension)

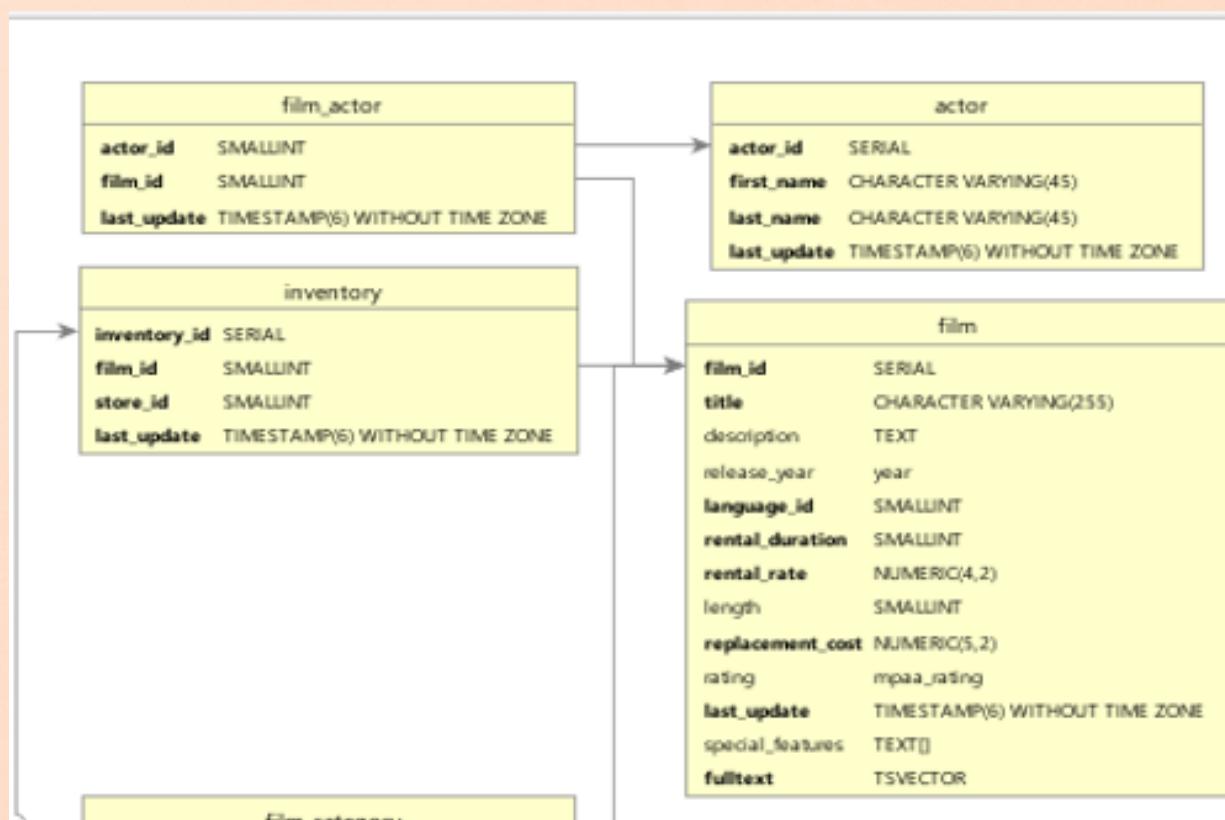
(film\_actor )



Column	Description/Attributes	Format	Table Links
(Primary Key) actor_id	The unique ID for each actor in a film	Integer	From film_actor
first_name	First name of actor	Character varying	TO
last_name	Last name of actor	Character varying	
last_update	Time of last updated status	Timestamp without time zone	

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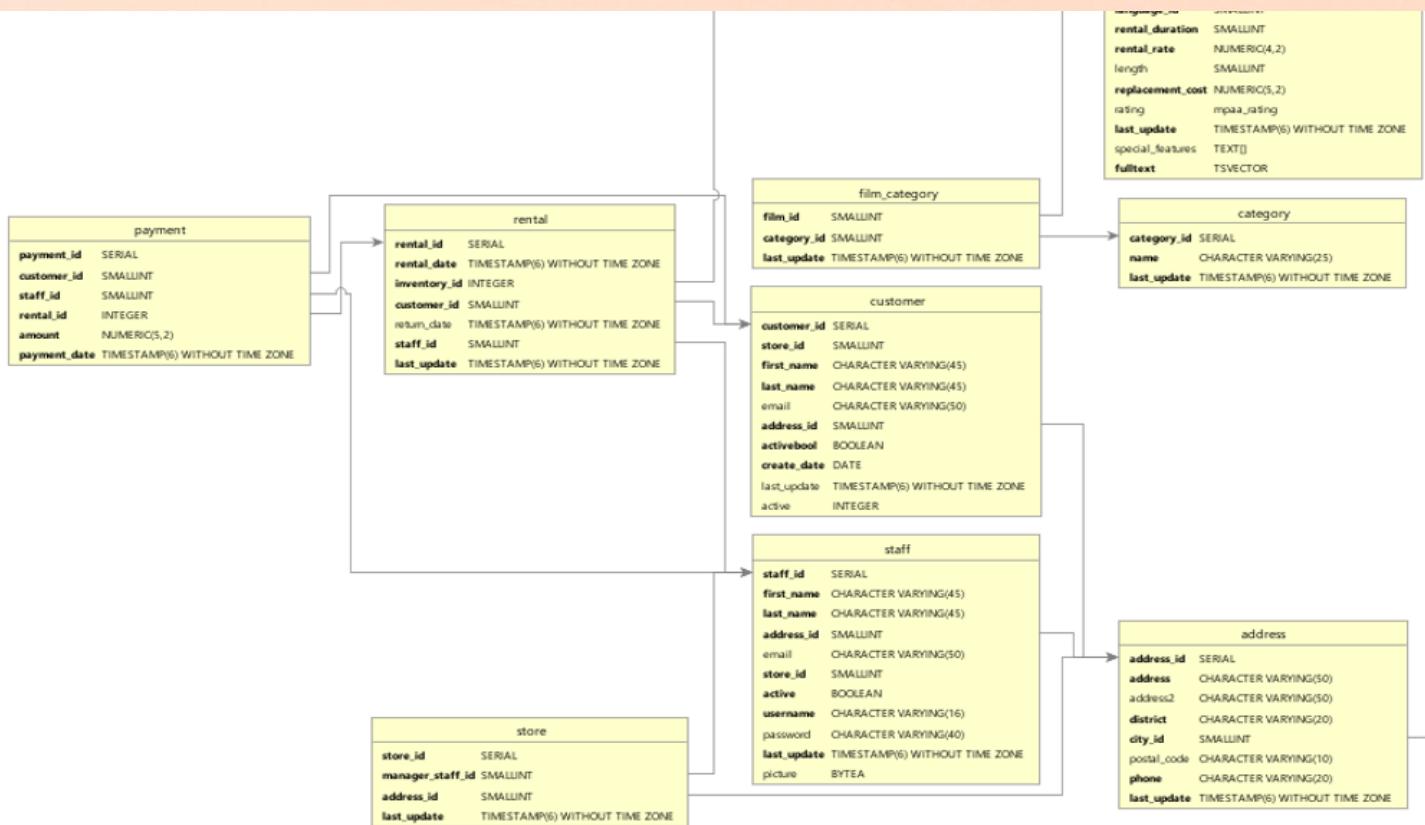
## Film Actor (Dimension) (film and actor )



Column	Description/Attributes	Format	Table Links
(Foreign/Primary Key)			From To
actor_id	The unique ID for each actor in a film	Integer	actor
(Foreign/Primary Key) film_id	Unique ID for each film/movie	integer	film
last_update	Time of last updated status	Timestamp without time zone	

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## Customer (Dimension) (rental, payment, address)



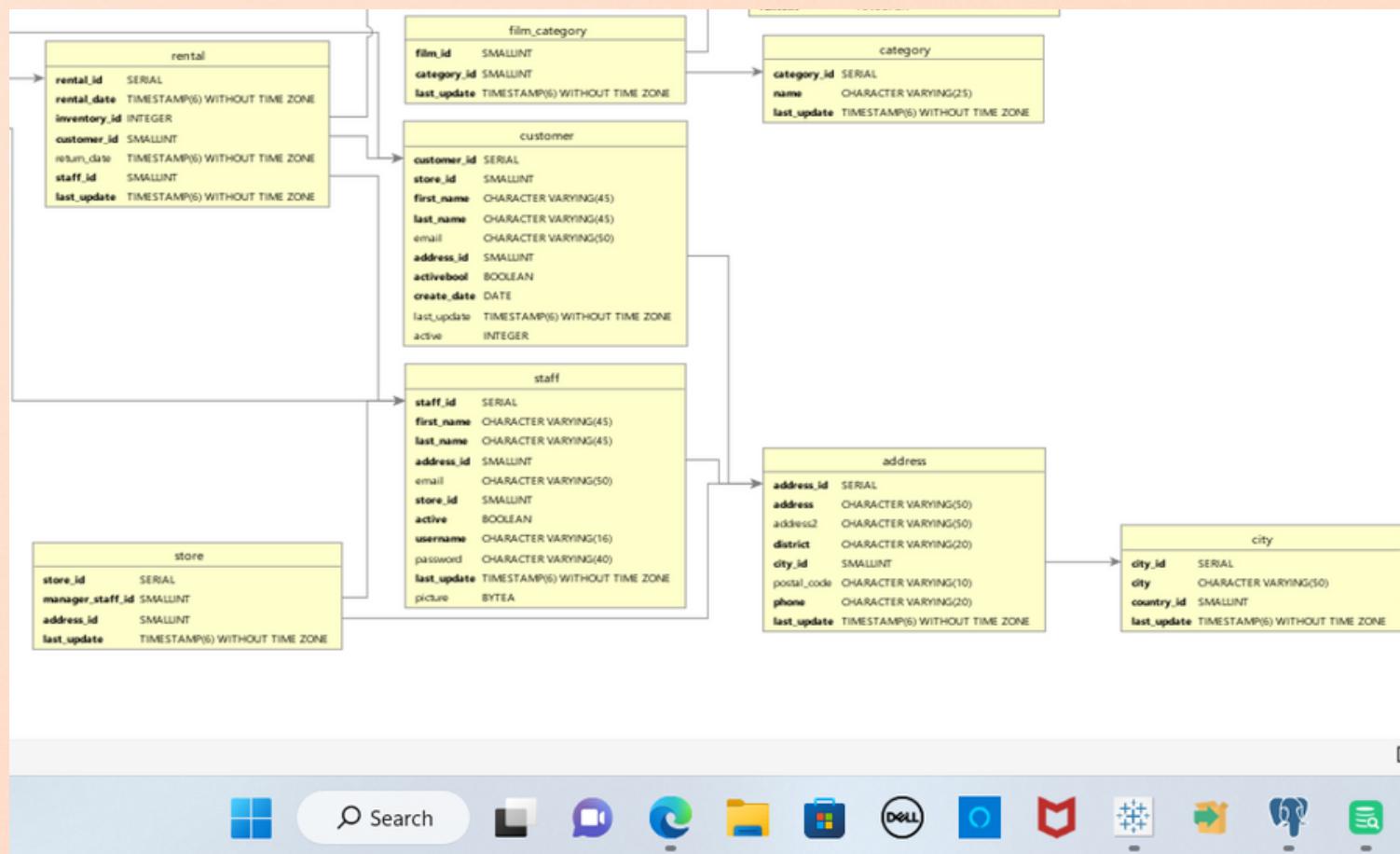
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Column	Description/Attributes	Format	Table Links
(Primary Key)	customer_id	Customer Id to whom the movie was issued	Integer
(Foreign Key)	address_id	Postal Address of the customer	Smallint
	store_id	Unique ID for each store the customer rented from	Smallint
	Email	Email address of the customer	character varying
	last_update	Last name of the customer	timestamp without time zone
	first_name	First Name of the customer	character varying
	activebool	If customer is active or not	Boolean
	Active	Customer status	Integer
	last_name	Customer Last name	character varying
	create_date	Date created	Date
		FROM rental/payment TO address	

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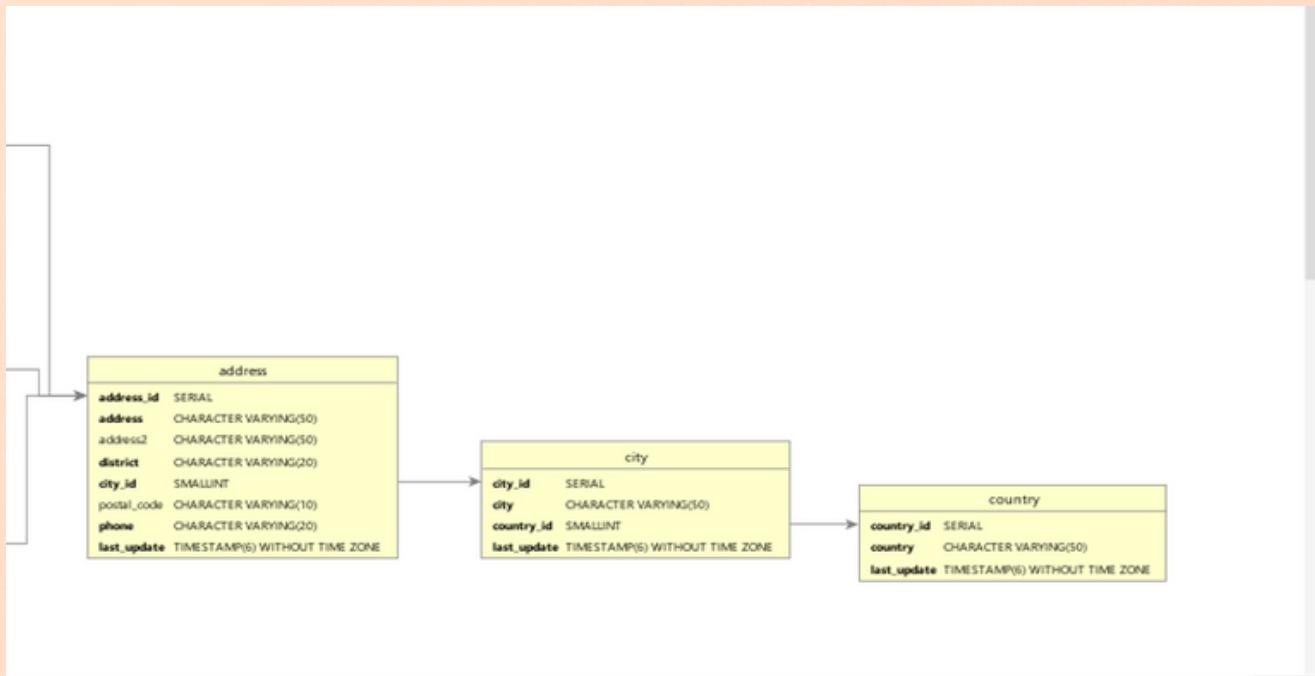
## Address (Dimension) (store, staff, customer, city)



Column	Description/Attributes	Format	Table Links FROM	TO
(Primary Key) address_id	Postal Address of a unique store	Integer	store/staff/customer	
(Foreign Key) city_id	ID of specific City	Smallint		city
District	Address of a specific district	character varying		
postal_code	Postal Code	character varying		
address2	Postal Address of store	character varying		
last_update	Time of last updated status	timestamp without time zone		
Phone	Phone number	character varying		
Address	Postal address of store	character varying		

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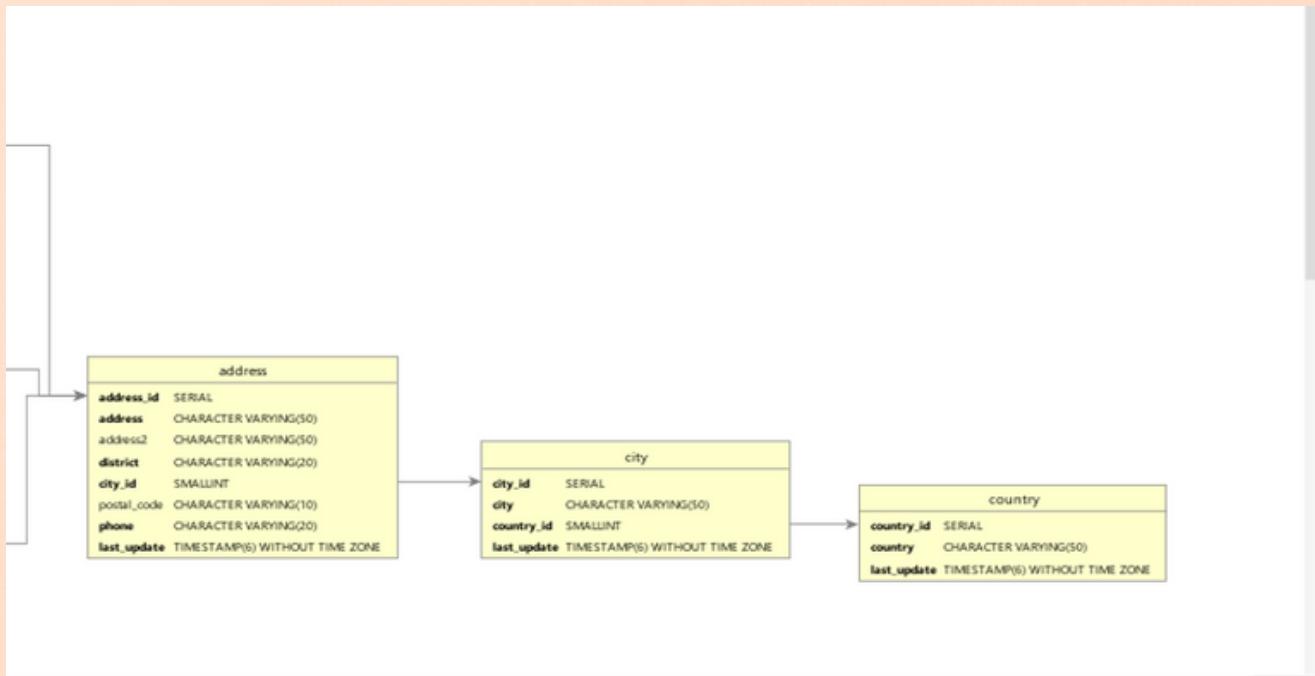
City (Dimension)  
(address, country)



Column	Description/Attributes	Format	Table Links
(Primary Key)	FROM	TO	
<b>city_id</b>	ID of specific City assigned	Smallint	address
<b>((Foreign Key) country_id</b>	Country Code	Smallint	country
<b>last_update</b>	Time of last updated status	timestamp without time zone	
<b>City</b>	Name of City	character varying	

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Country (Dimension)  
(city)



Column	Description/Attributes	Format	Table Links
			FROM      TO
((Primary Key) <b>country_id</b>	Country Code	Integer	city
<b>last_update</b>	Time of last updated status	timestamp without time zone	
<b>country</b>	Name of Country	character varying	