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# **Rockbuster Stealth LLC Data Dictionary**

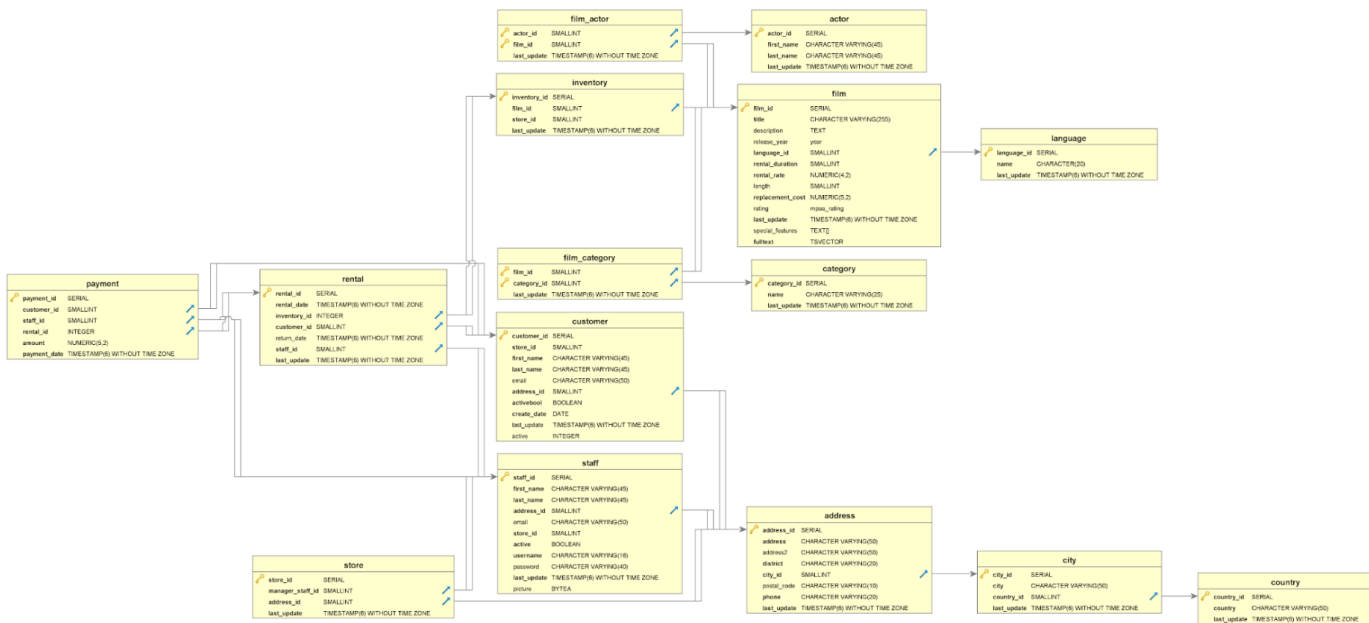
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## Entity Relationship Diagram



The ERD for the Rockbuster database is snowflake-like with several dimension and sub-dimension tables

## Legend

**Primary Key**

**Foreign Key**

## Fact Tables

Rental			
Column	Data Type	Description	Link to
<b>rental_id</b>	SERIAL	Rental unique id for each movie	Payment
<b>rental_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of rental	
<b>inventory_id</b>	INTEGER	The inventory id	Inventory
<b>customer_id</b>	SMALLINT	Customer id number	Customer
<b>return_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of return	
<b>staff_id</b>	SMALLINT	The id of the staff	Staff
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last status update	

Payment			
Column	Data Type	Description	Link to
<b>payment_id</b>	SERIAL	Payment id number	
<b>customer_id</b>	SMALLINT	Customer id	Customer
<b>staff_id</b>	SMALLINT	Staff member id	Staff
<b>rental_id</b>	INTEGER	Rental id number	Rental
<b>amount</b>	NUMERIC(5,2)	The amount paid	
<b>payment_date</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time and date of payment	

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## Dimension Tables

Customer			
Column	Data Type	Description	Link to
<b>customer_id</b>	SERIAL	Customer id number	Payment, Rental
<b>store_id</b>	SMALLINT	Store id number	Store
<b>first_name</b>	CHARACTER VARYING(45)	Customer's first name	
<b>last_name</b>	CHARACTER VARYING(45)	Customer's last name	
<b>email</b>	CHARACTER VARYING(50)	Customer's email	
<b>address_id</b>	SMALLINT	Customer's address	Address
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	
<b>create_date</b>	DATE	Date of creation	
<b>active</b>	INTEGER	Customer's status	

Staff			
Column	Data Type	Description	Link to
<b>staff_id</b>	SERIAL	Staff id number	
<b>first_name</b>	CHARACTER VARYING(45)	Staff member first name	
<b>last-name</b>	CHARACTER VARYING(45)	Staff member last name	
<b>address_id</b>	SMALLINT	Staff member address	Address
<b>email</b>	CHARACTER VARYING(50)	Staff member email	
<b>store_id</b>	SMALLINT	Store id number	Store
<b>active</b>	BOULEAN	Staff member status	
<b>username</b>	CHARACTER VARYING(16)	Staff member username	
<b>password</b>	CHARACTER VARYING(40)	Staff member password	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last status update	
<b>picture</b>	BYREA	Staff member picture	

Store			
Column	Data Type	Description	Link to
<b>store_id</b>	SERIAL	The inventory id	Customer, Inventory, Staff
<b>manager_staff_id</b>	SMALLINT	Movie id number	
<b>address_id</b>	SMALLINT	Store id number	Address
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time it was last updated	

Address			
Column	Data Type	Description	Link to
<b>address_id</b>	SERIAL	Unique address id	Customer, Staff, Store
<b>address</b>	CHARACTER VARYING(50)	Address	
<b>address2</b>	CHARACTER VARYING(50)	Address	
<b>district</b>	CHARACTER VARYING(20)	District name	
<b>city_id</b>	SMALLINT	Unique city id	City
<b>postal_code</b>	CHARACTER VARYING(10)	Postal code	
<b>phone</b>	CHARACTER VARYING(20)	Phone number	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time it was last updated	

City			
Column	Data Type	Description	Link to
<b>city_id</b>	SERIAL	Unique city id	Address
<b>name</b>	CHARACTER VARYING(50)	City name	
<b>country_id</b>	SMALLINT	Country code	Country
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Time it was last updated	

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Country			
Column	Data Type	Description	Link to
country_id	SMALLINT	Country code	City
country	CHARACTER VARYING(50)	Country name	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time it was last updated	

Inventory			
Column	Data Type	Description	Link to
inventory_id	SERIAL	The inventory id	Rental
film_id	SMALLINT	Movie id number	Film
store_id	SMALLINT	Store id number	Store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time it was last updated	



Film			
Column	Data Type	Description	Link to
<b>film_id</b>	SERIAL	Unique film id	Film actor, film, Category, Inventory
<b>tittle</b>	CHARACTER VARYING(255)	Film title	
<b>description</b>	TEXT	Film description	
<b>release_year</b>	YEAR	District name	
<b>language_id</b>	SMALLINT	Language id	Language
<b>rental_duration</b>	SMALLINT	Max rental duration	
<b>rental_rate</b>	NUMERIC(4,2)	Rental cost	
<b>length</b>		Film length	
<b>replacement_cost</b>	NUMERIC(5,2)	Cost to replace film	
<b>rating</b>	mpaa_rating	Official mpaa rating	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Data and time of last update	
<b>special_features</b>	TEXT	Special features eg trailer	
<b>fulltexxt</b>	TSVECTOR	Converted array of text strings	

Language			
Column	Data Type	Description	Link to
<b>language_id</b>	SERIAL	Language movie id	Film
<b>name</b>	CHARACTER(20)	Language name	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time it was last updated	

Film Actor			
Column	Data Type	Description	Link to
<b>actor_id</b>	SMALLINT	Actor id	Actor
<b>film_id</b>	SMALLINT	Film id	Film
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time it was last updated	

Actor			
<b>actor_id</b>	SMALLINT	Actor id	Film Actor
<b>first_name</b>	CHARACTER VARYING(45)	Actor's first name	
<b>last-name</b>	CHARACTER VARYING(45)	Actor's last name	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time it was last updated	

Film Category			
Column	Data Type	Description	Link to
<b>film_id</b>	SMALLINT	Movie id number	Film
<b>category_id</b>	SMALLINT	Movie category id number	Category
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time it was last updated	

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Category			
Column	Data Type	Description	Link to
<b>category_id</b>	SERIAL	Movie category id number	Film Category
<b>name</b>	CHARACTER VARYING(25)	Film category name	
<b>last_update</b>	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time it was last updated	