

2025

ROCKBUSTER STEALTH LLC DATA DICTIONARY

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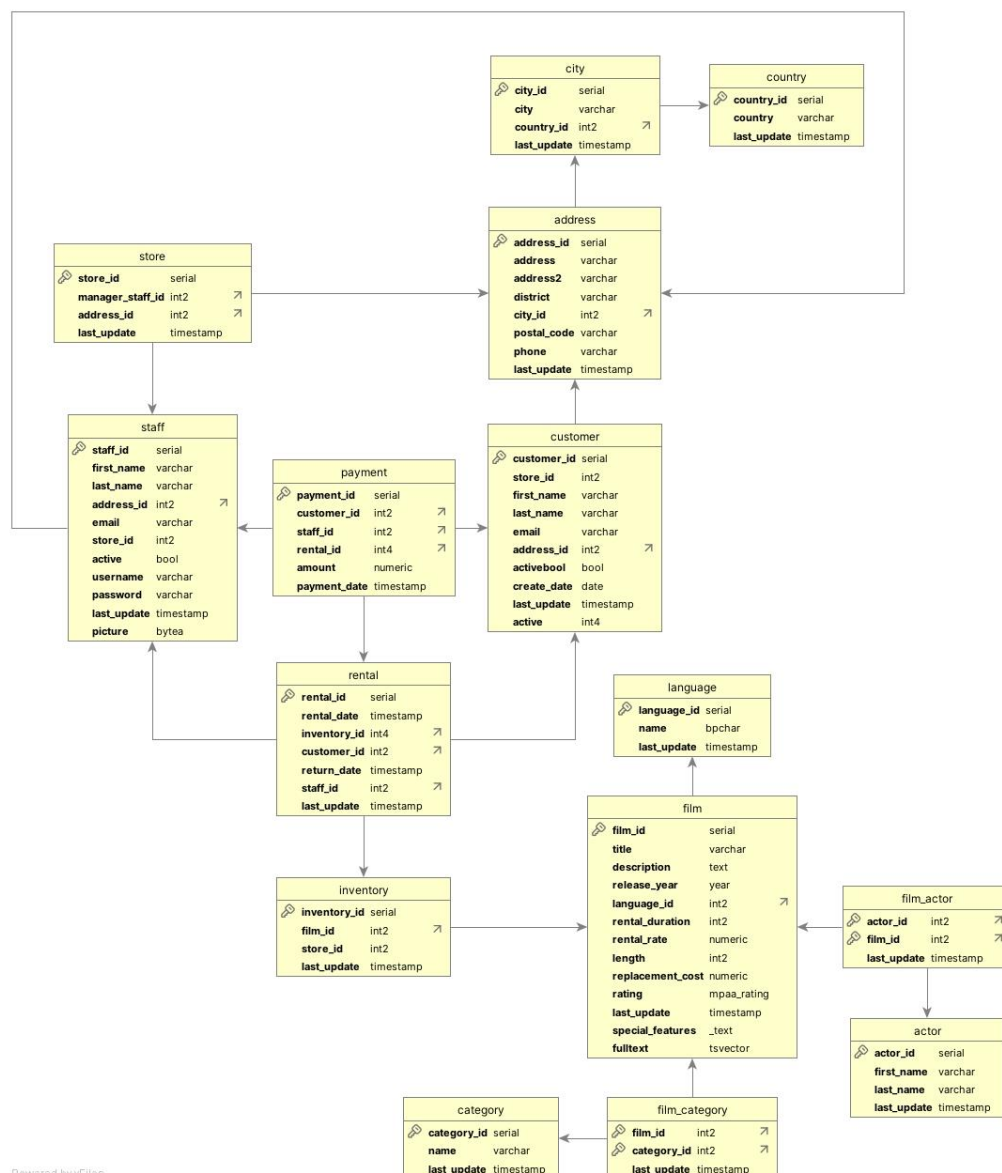
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Introduction

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

Entity Relationship Diagram (ERD)



The Rockbuster database has a snowflake schema with two fact tables (payment and rental) and multiple related dimension tables.

Data Dictionary

Fact Tables

Payment			
Column	Data type	Description	Relationship
payment_id	serial	unique identifier for the payment	primary key
customer_id	smallint	unique identifier for the customer	foreign key to link to the customer table
staff_id	smallint	unique identifier for the staff	foreign key to link to the staff table
rental_id	integer	unique identifier for the rental	foreign key to link to the rental table
amount	numeric	amount of payment	
payment_date	timestamp without time zone	date of payment	

Rental			
Column	Data type	Description	Relationship
rental_id	serial	unique identifier for the rental	primary key
rental_date	timestamp without time zone	date and time of rental	
inventory_id	integer	unique identifier for the inventory	foreign key to link to the inventory table
customer_id	smallint	unique identifier for the customer	foreign key to link to the customer table
return_date	timestamp without time zone	date when rental ended	
staff_id	smallint	unique identifier for the staff	foreign key to link to the staff table
last_update	timestamp without time zone	date and time of the last update	

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Dimension Tables

Actor			
Column	Data type	Description	Relationship
actor_id	serial	unique identifier for the actor	primary key
first_name	character varying (45)	first name of actor	
last_name	character varying (45)	last name of actor	
last_update	Timestamp without time zone	date and time of the last update	

Address			
Column	Data type	Description	Relationship
address_id	integer	unique identifier for the address	primary key
address	character varying (50)	first street address line	
address2	character varying (50)	second street address line	
district	character varying (20)	district or region of the address	
city_id	smallint	city of address	foreign key to link to the city table
postal_code	character varying (10)	post code of address	
phone	character varying (20)	phone number for contact	
last_update	timestamp without time zone	date and time of the last update	

Category

Column	Data type	Description	Relationship
category_id	integer	unique identifier for the category	primary key
name	character varying (25)	name of category	
last_update	timestamp without time zone	date and time of the last update	

City			
Column	Data type	Description	Relationship
city_id	integer	unique identifier for the city	primary key
city	character varying (50)	name of city	
country_id	smallint	unique identifier for the country	foreign key to link to country table
last_update	timestamp without time zone	date and time of the last update	

Country			
Column	Data type	Description	Relationship
country_id	integer	unique identifier for the country	primary key
country	character varying (50)	name of country	
last_update	timestamp without time zone	date and time of the last update	

Customer			
Column	Data type	Description	Relationship
customer_id	integer	unique identifier for the customer	primary key
store_id	smallint	unique identifier for the	foreign key to link to

		store	the store table
first_name	character varying (45)	first name of customer	
last_name	character varying (45)	last name of customer	
email	character varying (50)	email address of customer	
address_id	smallint	unique identifier for the address	foreign key to link to the address table
activebool	boolean	if the customer is active	
create_date	date	date of creating the customer account	
last_update	timestamp	date and time of the last update	

Film			
Column	Data type	Description	Relationship
film_id	integer	unique identifier for the film	primary key
title	character varying (255)	name of film	
description	text	description about the film	
release_year	integer	year of film release	
language_id	smallint	unique identifier for the language	foreign key to link to the language table
rental_duration	smallint	duration for rental	
rental_rate	numeric (4,2)	price for rental	
length	smallint	length of film	
Replacement_cost	numeric (5,2)	cost to replace film	
rating	user-defined	rating for film	

last_update	timestamp without time zone	date and time of the last update	
special features	text	special features about films	
fulltext	tsvector	full text search vector	

Film_Actor			
Column	Data type	Description	Relationship
actor_id	smallint	a numeric value to link to the actor table	composite key
film_id	smallint	a numeric value to link to the film table	composite key
last_update	timestamp without time zone	date and time of the last update	

Film_Category			
Column	Data type	Description	Relationship
film_id	smallint	a numeric value to link to the film table	composite key
category_id	smallint	a numeric value to link to the category table	composite key
last_update	timestamp without time zone	date and time of the last update	

Inventory			
Column	Data type	Description	Relationship
inventory_id	serial	unique identifier for the inventory	primary key
film_id	smallint	unique identifier for the film	foreign key to link to the film table
store_id	smallint	unique identifier for the store	foreign key to link to the store table

last_update	timestamp without time zone	date and time of the last update	
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Language			
Column	Data type	Description	Relationship
language_id	integer	unique identifier for the language	primary key
name	character (20)	name of language	
last_update	timestamp without time zone	date and time of the last update	

Staff			
Column	Data type	Description	Relationship
staff_id	serial	unique identified for the staff	primary key
first_name	character varying (45)	first name of staff	
last_name	character varying (45)	last name of staff	
address_id	smallint	unique identified for the address	foreign key to link to the address table
email	character varying (50)	email of staff	
store_id	smallint	unique identified for the store	foreign key to link to the store table
active	boolean	if the staff is active	
username	character varying (16)	username of staff	
password	character varying (40)	password of staff	
last_update	timestamp without time zone	date and time of the last update	

picture	bytea	picture of staff	
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Store			
Column	Data type	Description	Relationship
sotre_id	integer	unique identifier for the store	primary key
manager_staff_id	smallint	unique identifier for the manager staff	foreign key to link to the staff table
address_id	smallint	unique identifier for the address	foreign key to link to the address table
last_update	timestamp without time zone	date and time of the last update	