

Data Dictionary

Rockbuster Stealth LCC






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Key:

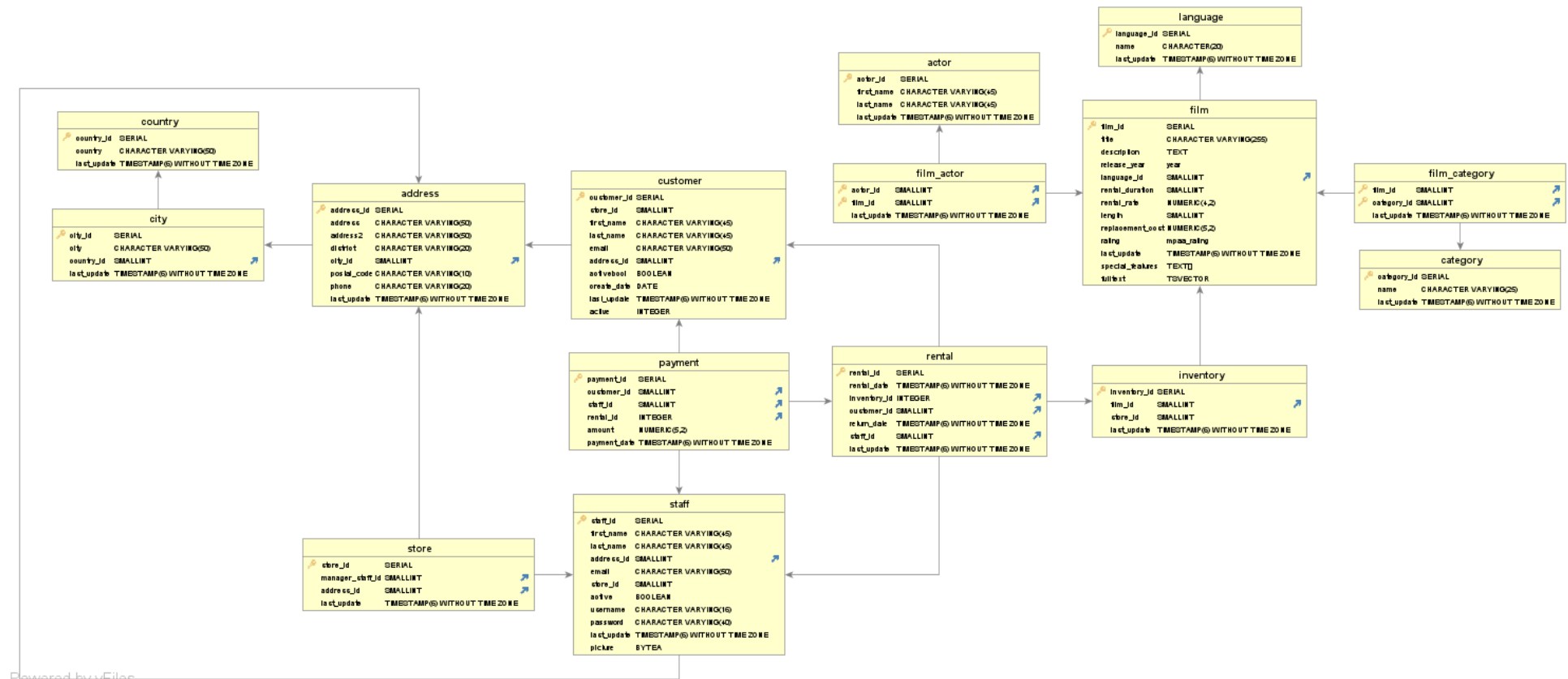
	Primary Key
	Foreign Key
	Relation Key

Rockbuster Storyboard URL:

<https://public.tableau.com/app/profile/hannah.dilley/viz/RockbusterStealthLCC-On-lineFilmRentalAnalysis/Story1>

Data Dictionary

Entity Relationship Diagram





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Data Dictionary



Fact Tables

Identified by the columns generally being made up of only Keys and metrics, usually containing Foreign Keys which are linked to Primary Keys in other tables.


film_actor

Column	Data Type	Description
 actor_id	small INT	↗Links to actor table
 film_id	small INT	↗Links to film table
last_update	timestamp (6) without timezone	Last updated date


film_category

Column	Data Type	Description
 film_id	small INT	↗Links to film table
 category_id	small INT	↗Links to category table
last_update	timestamp (6) without timezone	Last updated date


inventory

Column	Data Type	Description
 inventor_id	serial	Unique sequential counter Link from rental table
film_id	small INT	↗Links to film table
store_id	small INT	Store ID
last_update	timestamp (6) without timezone	Last updated date

payment


Column	Data Type	Description
 payment_id	serial	Unique sequential counter
customer_id	small INT	↗Links to customer table
staff_id	small INT	↗Links to staff table
rental_id	integer	↗Links to rental table
amount	numeric (5,2)	Payment amount in format \$00000.00
last_update	timestamp (6) without timezone	Last updated date

rental

Column	Data Type	Description
 rental_id	serial	Unique sequential counter Link from payment table
rental_date	timestamp (6) without timezone	Date of rental
inventory_id	integer	↗Links to inventory table
customer_id	small INT	↗Links to customer table
return_date	timestamp (6) without timezone	Date rental returned
staff_id	small INT	↗Links to staff table
last_update	timestamp (6) without timezone	Last updated date


Data Dictionary

store


Column	Data Type	Description
 store_id	serial	Unique sequential counter
manager_staff_id	small INT	↗Links to staff table
address_id	small INT	↗Links to address table
last_update	timestamp (6) without timezone	Last updated date

Dimension Tables


actor

Column	Data Type	Description
↘  actor_id	serial	Unique sequential counter Link from film_actor table
first_name	char var (45)	Actor's first name
last_name	char var (45)	Actor's last name
last_update	timestamp (6) without timezone	Last updated date


address

Column	Data Type	Description
↘  address_id	serial	Unique sequential counter Link from customer, store & staff tables
address	char var (50)	Address line1
address2	char var (50)	Address line2
district	char var (20)	District
city_id	small INT	↗Links to city table
postal_code	char var (10)	Postcode
phone	char var (20)	Phone number
last_update	timestamp (6) without timezone	Last updated date

category

Column	Data Type	Description
↘  country_id	serial	Unique sequential counter Link from film_category table
name	char var (50)	Category name
last_update	timestamp (6) without timezone	Last updated date

city

Column	Data Type	Description
↘  city_id	serial	Unique sequential counter Link from address table
city	char var (50)	City name
country_id	small INT	↗Links to country table
last_update	timestamp (6) without timezone	Last updated date

Data Dictionary

country

Column	Data Type	Description
🔑 country_id	serial	Unique sequential counter Link from city table
country	char var (50)	Country name
last_update	timestamp (6) without timezone	Last updated date

customer

Column	Data Type	Description
🔑 customer_id	serial	Unique sequential counter Link from rental & payment tables
store_id	small INT	Store ID
first_name	char var (45)	Customer first name
last_name	char var (45)	Customer last name
email	char var (50)	email address
address_id	small INT	➤Links to address table
activebool	Boolean	Active flag: true or false
create_date	date	Date record created
last_update	timestamp (6) without timezone	Last updated date
active	INT	Active flag: 1 or 0

film

Column	Data Type	Description
🔑 film_id	serial	Unique sequential counter Link from film_actor, inventory & film_category
title	char var (255)	Film title
description	text	Film description
release_year	year	Year of release
language_id	small INT	➤Links to language table
rental_duration	small INT	Length of rental in days
rental_rate	numeric (4,2)	Cost of rental \$0000.00
length	small INT	Duration of film in minutes
replacement_cost	numeric (5,2)	Cost to replace film \$00000.00
rating	mpaa_rating	Film suitability rating, e.g., PG, 15, 18, etc.
last_update	timestamp (6) without timezone	Last updated date
special_features	text[]	Description of film special features
fulltext	TS vector	Search string text

language

Column	Data Type	Description
🔑 language_id	serial	Unique sequential counter Link from film table
name	char (20)	Language
last_update	timestamp (6) without timezone	Last updated date

Data Dictionary

staff

Column	Data Type	Description
🔑 staff_id	serial	Unique sequential counter Link from store, rental & payment tables
first_name	char var (45)	Staff first name
last_name	char var (45)	Staff last name
address_id	small INT	➤Links to address table
email	char var (50)	email address
store_id	small INT	Store ID
active	Boolean	Active flag
username	char var (16)	Login details: User name
password	char var (40)	Login details: Password
last_update	timestamp (6) without timezone	Last updated date
picture	byte A	Staff picture, binary storage