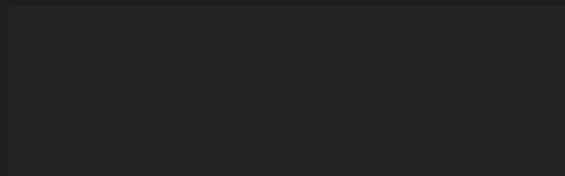


# Rockbuster *Stealth*



A diagram consisting of three orange arrows. One arrow points from the 'Rockbuster' part of the title to a yellow box. A second arrow points from the 'Stealth' part of the title to a horizontal arrow. A third, longer arrow points from the bottom of the yellow box towards the bottom right of the slide.

***DATA DICTIONARY***  
***July 23, 2023***



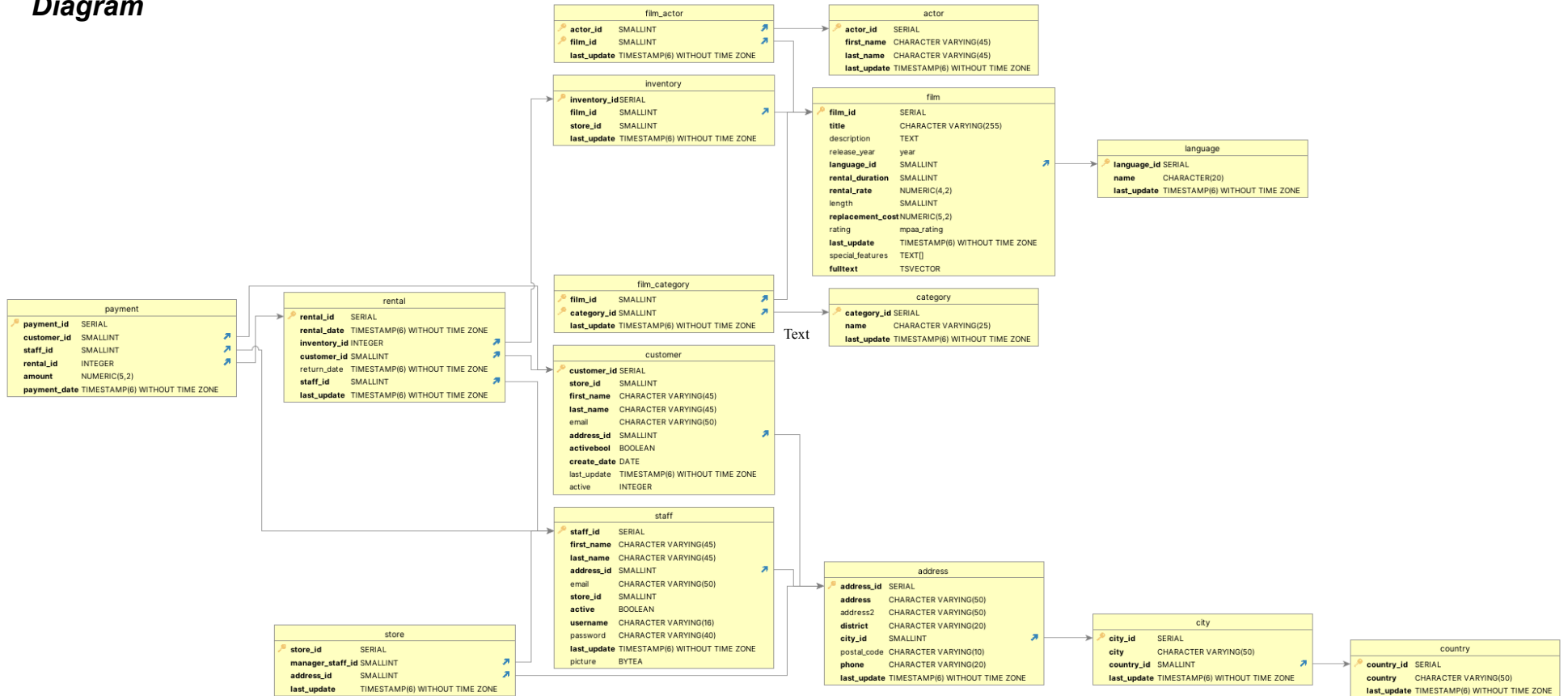
## Rockbuster Stealth Data Dictionary

2

### Table of Contents

Entity Relationship Diagram .....	3
Fact Tables	
Payment.....	4
Rental.....	5
Dimensions Table	
Actor.....	6
Address.....	6
Category.....	7
City.....	8
Country.....	8
Customer.....	9
Film.....	10
Film_Actor.....	11
Film_Category.....	12
Inventory.....	12
Language.....	13
Staff.....	14
Store.....	15

# Rockbuster Stealth Entity Relationship Diagram



## **Fact Tables**

4

**PK = Primary Key**

**FK = Foreign Key**

### **Payment**

Unique Key	Columns	Data Type	Description
PK	payment_id	serial	id of payment
FK	customer_id	smallint	id of customer
FK	staff_id	smallint	id of staff
FK	rental_id	integer	id of rental
	amount	numeric(5,2)	amount paid
	payment_date	timestamp(6) without timezone	date/time

### **Payment links to:**

Table	Description
Customer	Foreign key constraint referencing customer table
Staff	Foreign key constraint referencing staff table
Rental	Foreign key constraint referencing rental table

**Payment table links from:** nothing

**Rental**

Unique Key	Columns	Data Type	Description
Primary	rental_id	serial	id of rental
	rental_date	timestamp(6) without timezone	date of rental
Foreign	inventory_id	integer	id of inventory
Foreign	customer_id	smallint	id of customer
	return_date	timestamp(6) without timezone	rental return date
Foreign	staff_id	smallint	id of staff
	last_update	timestamp(6) without timezone	date of last update

**Rental links to:**

Table	Description
Inventory	Foreign key constraint referencing inventory table
Customer	Foreign key constraint referencing customer table
Staff	Foreign key constraint referencing staff table

**Rental links from:**

Table	Description
Payment	Foreign key constraint referencing payment table

## Dimensions Tables

### Actor

Unique Key	Column	Data Type	Description
Primary	actor_id	serial	id of actor
	first_name	character varying(45)	actor first name
	last_name	character varying(45)	actor last name
	last-update	timestamp(6) without timezone	date of last update

**Actor links to:** :nothing

**Actor links from:**

Table	Description
film_actor	Foreign key constraint referencing film_actor table

### Address

Unique Key	Column	Data Type	Description
Primary	address_id	serial	customer address
	address	character varying(50)	address
	address2	character varying(50)	address continued
	district	character varying(20)	district (if applicable)
Foreign	city_id	smallint	city of address
	postal_code	character varying(10)	postal code for address
	phone	character varying(20)	phone number
	last-update	timestamp(6) without timezone	DATE OF LAST UPDATE

**Address links to:**

Table	Description
City	Foreign key constraint referencing city table

**Address links from:**

Table	Description
Store	Foreign key constraint referencing city table
Staff	Foreign key constraint referencing staff table
Customer	Foreign key constraint referencing customer table

**Category**

Unique Key	Column	Data Type	Description
Primary	category_id	serial	id of category
	name	character varying(25)	name of category
	last-update	timestamp(6) without timezone	date of last update

**Category links to:** nothing**Category links from:**

Table	Description
film_category	Foreign key constraint referencing film_category table

**City**

Unique Key	Column	Data Type	Description
Primary	city_id	serial	id of city
	city	character varying(50)	city name
Foreign	country_id	smallint	country of city
	last-update	timestamp(6) without timezone	date of last update

**City links to:**

Table	Description
country	Foreign key constraint referencing country table

**City links from:**

Table	Description
address	Foreign key constraint referencing address table

**Country**

Unique Key	Column	Data Type	Description
Primary	country_id	serial	id of country
	country	character varying(50)	country name
	last-update	timestamp(6) without timezone	date of last update

**Country links to:** nothing



**Country links from:**

Table	Description
city	Foreign key constraint referencing city table

**Customer**

Unique Key	Column	Data Type	Description
Primary	customer_id	serial	id of customer
	store_id	smallint	id of store
	first_name	character varying(45)	customer first name
	last_name	character varying(45)	customer last name
	email	character varying(50)	customer email
Foreign	address_id	smallint	customer address
	activebool	boolean	active customer yes/no
	create_date	date	date customer account creation
	last-update	timestamp(6) without timezone	date of last update
	active	integer	active status

**Customer links to:**

Table	Description
address	Foreign key constraint referencing address table

**Customer links from:**

Table	Description
payment	Foreign key constraint referencing payment table
rental	Foreign key constraint referencing rental table

**Film**

Unique Key	Column	Data Type	Description
Primary	film_id	serial	id of film
	title	character varying(255)	title of film
	description	text	plot of film
	release_year	year	release date
Foreign	language_id	smallint	language of film
	rental_duration	smallint	duration aof rental
	rental_rate	numeric(5,2)	cost of rental
	length	smallint	length of film
	replacement_cost	numeric(5,2)	replacement cost
	rating	mpaa_rating	rating of film
	last-update	timestamp(6) without timezone	date of last update
	special_features	text	special features of film
	fulltxt	tsvector	text info

**Film links to:**

Table	Description
language	Foreign key constraint referencing language table

**Film links from:**

Table	Description
film_actor	Foreign key constraint referencing film_actor table
film_category	Foreign key constraint referencing film_category table
inventory	Foreign key constraint referencing inventory table

**Film Actor**

Unique Key	Column	Data Type	Description
Primary, Foreign	actor_id	smallint	id of actor
Primary, Foreign	film_id	smallint	id of film
	last-update	timestamp(6) without timezone	date of last update

**Film\_Actor links to:**

Table	Description
actor	Foreign key constraint referencing actor table
film	Foreign key constraint referencing film table

**Film\_Actor links from: nothing**

**Film\_Category**

Unique Key	Column	Data Type	Description
Primary, Foreign	film_id	smallint	id of film
Primary, Foreign	category_id	smallint	id of category
	last-update	timestamp(6) without timezone	date of last update

**Film\_Category links to:**

Table	Description
category	Foreign key constraint referencing category table
film	Foreign key constraint referencing film table

**Film\_Category links from:** nothing**Inventory**

Unique Key	Column	Data Type	Description
Primary	inventory_id	serial	id of inventory
Foreign	film_id	smallint	id of film
	store_id	smallint	id of store
	last-update	timestamp(6) without timezone	date of last update

**Inventory links to:**

Table	Description
film	Foreign key constraint referencing film table

**Inventory links from:**

Table	Description
rental	Foreign key constraint referencing rental table

**Language**

Unique Key	Column	Data Type	Description
Primary	language_id	serial	id of language of film
	name	character (20)	name of language of film
	last-update	timestamp(6) without timezone	date of last update

**Language links to:** nothing**Language links from:**

Table	Description
film	Foreign key constraint referencing film table

**Staff**

Unique Key	Column	Data Type	Description
Primary	staff_id	serial	id of staff
	first_name	character varying(45)	staff first name
	last_name	character varying(45)	staff last name
Foreign	address_id	smallint	staff address
	email	character varying(50)	staff email
	store_id	smallint	id of store
	active	boolean	active status
	username	character varying(16)	staff username
	password	character varying(40)	staff password
	last-update	timestamp(6) without timezone	date of last update
	picture	bytea	staff picture

**Staff links to:**

Table	Description
address	Foreign key constraint referencing address table

**Staff links from:**

Table	Description
payment	Foreign key constraint referencing payment table
rental	Foreign key constraint referencing rental table
store	Foreign key constraint referencing store table

**Store Table**

Unique Key	Column	Data Type	Description
PK	store_id	serial	id of store
FK	manager_staff_id	smallint	id of staff manager
FK	address_id	smallint	id of store address
	last-update	timestamp(6) without timezone	date of last update

**Store table links to:**

Table	Description
Staff	Foreign key constraint referencing staff_id
Address	Foreign key constraint referencing address_id