

# Rockbuster Stealth

**DATA DICTIONARY**

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ROCKBUSTER | 100 BLOCK BUSTING DRIVE, CA

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## 1. Rockbuster Stealth



This is a database containing information for the daily operation of Rockbuster Stealth. The database was exported to PostgreSQL for further analysis.

The database contains 4 fact tables and 11 dimension tables.

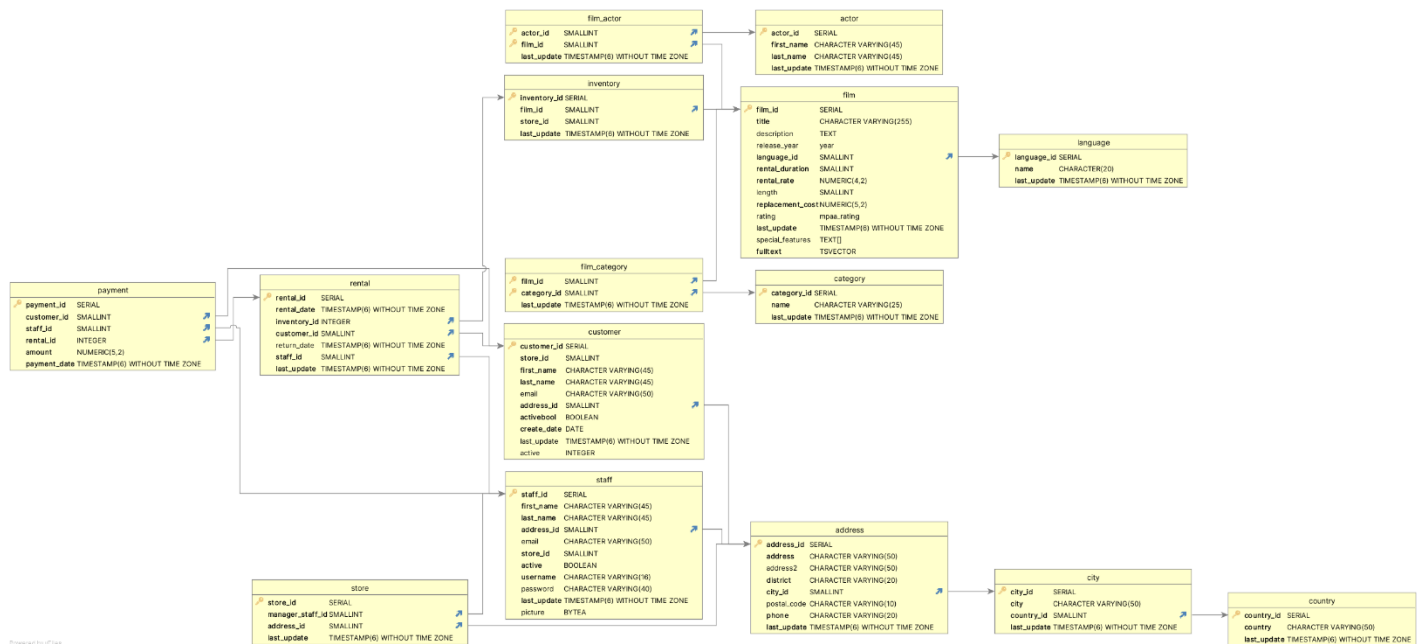
You can download a copy of this database via the following link:

[Rockbuster Stealth Database](#)

## 2. Legend

	Primary Key
	Foreign Key



## 3. Entity Relationship Diagram



## 4. Fact Tables

### 4.1 Table: Film Actor

Contains IDs for actors and films.



Columns			
	Column Name	Data Type	Description
	actor_id	smallint	Unique Identifier for actors
	film_id	smallint	Unique Identifier for films
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

Linked From	
Table Name	Join
N/A	N/A

### 4.2 Table: Film Category

Contains IDs for film and categories.

Columns			
	Column Name	Data Type	Description
	film_id	smallint	Unique Identifier for films
	category_id	smallint	Unique Identifier for film categories
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
film	film_category.film_id = film.film_id
category	film_category.category_id = category.category_id
inventory	film_category.film_id = inventory.film_id
film_actor	film_category.film_id = film_actor.film_id

Linked From	
Table Name	Join
N/A	N/A

#### 4.3 Table: Store

Contains IDs for the store, staff, and address.

Columns			
	Column Name	Data Type	Description
🔑	store_id	serial	Unique Identifier for stores
↗	manager_staff_id	smallint	Unique Identifier for staff
↗	address_id	smallint	Unique Identifier for addresses
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
staff	store.store_id = staff.store_id, store.manager_staff_id = staff.staff_id
inventory	store.store_id = inventory.store_id
rental	store.manager_staff_id = rental.staff_id
payment	store.manager_staff_id = payment.staff_id
address	store.address_id = address.address_id
film	film_actor.film_id = film.film_id

Linked From	
Table Name	Join
N/A	N/A

#### 4.4 Table: Payment

Columns			
	Column Name	Data Type	Description
🔑	payment_id	serial	Unique Identifier for payments
↖	customer_id	smallint	Unique Identifier for customers
↖	staff_id	smallint	Unique Identifier for staff
↖	rental_id	integer	Unique Identifier for rentals
	amount	numeric (5,2)	Amount record for payment
	payment_date	timestamp (6) w/o time zone	Data and time of last payment

Linked To	
Table Name	Join
rental	payment.rental_id = rental.rental_id
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id

Linked From	
Table Name	Join
N/A	N/A

### 5. Dimension Tables

#### 5.1 Table: Actor

Contains

Columns			
	Column Name	Data Type	Description
🔑	actor_id	serial	Unique Identifier for actors
	first_name	character varying (45)	First name of actor
	last_name	character varying (45)	Last name of actor
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
N/A	N/A

Linked From	
Table Name	Join
film_actor	film_actor.actor_id = actor.actor_id

## 5.2 Table: Address

Contains

Columns			
	Column Name	Data Type	Description
🔑	address_id	serial	Unique Identifier for addresses
	address	character varying (50)	Primary address
	address2	character varying (50)	Secondary address
	district	character varying (20)	District of address
📍	city_id	smallint	Unique Identifier for cities
	postal_code	character varying (10)	Postal code of address
	phone	character varying (20)	Phone number
	last_update	timestamp (6) w/o time zone	Data and time of last update


Linked To	
Table Name	Join
city	address.city_id = city.city_id

Linked From	
Table Name	Join
staff	staff.address_id = address.address_id
store	store.address_id = address.address_id
customer	customer.address_id = address.address_id



### 5.3 Table: Category

Contains



Columns			
	Column Name	Data Type	Description
	category_id	serial	Unique Identifier for film categories
	name	character varying (25)	Name of film category
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
N/A	N/A

Linked From	
Table Name	Join
film_category	film_category.category_id = category.category_id

### 5.4 Table: City

Contains


Columns			
	Column Name	Data Type	Description
	city_id	serial	Unique Identifier for cities
	city	character varying (50)	Name of the city
	country_id	smallint	Unique Identifier for countries
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
country	city.country_id = country.country_id

Linked From	
Table Name	Join
address	address.city_id = city.city_id

## 5.5 Table: Country

Contains



Columns			
	Column Name	Data Type	Description
	country_id	serial	Unique Identifier for countries
	country	character varying (50)	Name of the country
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
country	city.country_id = country.country_id

Linked From	
Table Name	Join
city	city.country_id = country.country_id

## 5.6 Table: Customer

Contains



Columns			
	Column Name	Data Type	Description
	customer_id	serial	Unique Identifier for customers
	store_id	smallint	Unique Identifier for stores
	first_name	character varying (45)	Customer's first name
	last_name	character varying (45)	Customer's last name
	email	character varying (50)	Email address
	address_id	smallint	Unique Identifier for addresses
	activebool	boolean	Present status of account
	create_date	DATE	Date account was created
	last_update	timestamp (6) w/o time zone	Data and time of last update
	active	integer	Present status of account
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
address	customer.address_id = address.address_id

Links From	
Table Name	Join
payment	payment.customer_id = customer.customer_id
rental	rental.customer_id = customer.customer_id

## 5.7 Table: Film

Contains



Columns			
	Column Name	Data Type	Description
	film_id	serial	Unique Identifier for films
	title	character varying (255)	Title of film
	description	text	Description of film
	release_year	year	Year film was released
	language_id	smallint	Unique Identifier for language
	rental_duration	smallint	Duration of rental in days
	rental_rate	numeric (4,2)	Rental cost, in USD
	length	smallint	Duration of film in minutes
	replacement_cost	numeric (5,2)	Cost to replace film, in USD
	rating	mpaa_rating	Rating of film via mpaa standards
	last_update	timestamp (6) w/o time zone	Data and time of last update
	special_features	text	Additional features for film
	fulltext	tsvector	Search terms and words, in vector

Linked To	
Table Name	Join
language	film.language_id = language.language_id

Links From	
Table Name	Join
film_actor	film_actor.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id

### 5.8 Table: Inventory

Contains


Columns			
	Column Name	Data Type	Description
	inventory_id	serial	Unique Identifier for inventory
	film_id	smallint	Unique Identifier for films
	store_id	smallint	Unique Identifier for stores
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
film	inventory.film_id = film.film_id

Links From	
Table Name	Join
rental	rental.inventory_id = inventory.inventory_id

### 5.9 Table: Language

Contains

Columns			
	Column Name	Data Type	Description
	language_id	serial	Unique Identifier for language
	name	character (20)	Name of the language
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
N/A	N/A

Links From	
Table Name	Join
film	film.language_id = language.language_id

### 5.10 Table: Rental

Contains



Columns			
	Column Name	Data Type	Description
🔑	rental_id	serial	Unique Identifier for rental
	rental_date	timestamp (6) w/o time zone	Start date for rental
↖	inventory_id	smallint	Unique Identifier for inventory
↖	customer_id	smallint	Unique Identifier for a customer
	return_date	timestamp (6) w/o time zone	Return date for rental
↖	staff_id	smallint	Unique Identifier for staff member
	last_update	timestamp (6) w/o time zone	Data and time of last update

Linked To	
Table Name	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

Links From	
Table Name	Join
payment	payment.rental_id = rental.rental_id

## 5.11 Table: Staff

Contains

Columns			
	Column Name	Data Type	Description
	staff_id	serial	Unique Identifier for staff
	first_name	character varying (45)	Staff member's first name
	last_name	character varying (45)	Staff member's last name
	address_id	smallint	Unique Identifier for an address
	email	character varying (50)	Email address
	store_id	smallint	Unique Identifier for a store
	active	boolean	Active status of staff member
	username	character varying (16)	Login username for staff member
	password	character varying (40)	Login password for staff member
	last_update	timestamp (6) w/o time zone	Data and time of last update
	picture	bytea	Photo of staff member

Linked To	
Table Name	Join
address	staff.address_id = address.address_id

Links From	
Table Name	Join
rental	rental.staff_id = staff.staff_id
store	store.manager_staff_id = staff.staff_id
payment	payment.staff_id = staff.staff_id