

# Rockbuster stealth data dictionary

# Table of contents

ROCKBUSTER ENTITY RELATIONSHIP DIAGRAM	3
FACT TABLES	4
1. Rental	4
2. Payment	4
DIMENSION TABLES	5
3. Inventory	5
4. Film	5
5. Film_actor	6
6. Actor	6
7. Language	6
8. Film_category	6
9. Category	7
10. Customer	7
11. Address	8
12. City	8
13. Country	8
14. Staff	9

# Rockbuster entity relationship diagram



# Fact tables

## 1. Rental

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Rental_id	serial	Primary key for Rentals		payment
Rental_date	Timestamp without time zone	States date of rental		
Inventory_id	integer	Foreign key for table Inventory. Whole number	inventory	
Customer_id	smallint	Foreign key for table Customer. Whole number	customer	
Return_date	Timestamp without time zone	States date when rentals are returned		
Staff_id	smallint	Foreign key to table Staff		
Last_update	Timestamp without time zone	States when record was last updated.		

## 2. Payment

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Payment_id	Serial	Primary key for table Payment		
Customer_id	Smallint	Foreign key to table Customer	customer	
Staff_id	Smallint	Foreign key to table Staff	staff	
Rental_id	integer	Foreign key for table Rental	rental	
Amount	Numeric (5,2)	States the value of rental. Max 5 digits + 2 decimals		
Payment_date	Timestamp (6) without time zone	States date when payment for rental is made.		

## Dimension tables

### 3. Inventory

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Inventory_id	Serial	Primary key for table Inventory		rental
Film_id	Smallint	Foreign key for table Film	film	
Store_id	Smallint	Refers to the store that hold inventory		
Last_update	Timestamp(6) without time zone	Refers to timestamp of when records were last updated		

### 4. Film

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Film_id	Serial	Primary key of table Film		Inventory Film_actor Film_category
Title	Character varying (255)	Title of film, max 255 characters		
Description	Text	Description of the film		
Release_year	Year	Year of the film's release		
Language_id	Smallint	Foreign key to table Language	Language	
Rental_duration	Smallint	Refers to duration of rental period		
Rental_rate	Numeric (4,2)	Refers to rate at what film is rented		
Length	Smallint	Length of the film in minutes		
Replacement_cost	Numeric (5,2)	Retail value of a new title		
Rating	Mpaa_rating	Rating of the film		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

Special_features	Text	Refers to special features of the film		
fulltext	Ts vector	Refers Tags		

### 5. Film\_actor

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Actor_id	Smallint	Primary key for table film_Actor and foreign key for table Actor	actor	
Film_id	Smallint	Primary key for table film_id and foreign key for table Actor	film	
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		

### 6. Actor

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Actor_id	Serial	Primary key of table Actor		Film_actor
First_name	Character varying (45)	Actor's first name		
Last_name	Character varying (45)	Actor's last name		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

### 7. Language

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Language_id	Serial	Primary key of table Language		film
Name	Character (20)	Refers to language name		
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		

### 8. Film\_category

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
---------------	-------------	--------------------	-----------------	-------------------

Film_id	Smallint	Primary key for table film_category and foreign key to table Film	film	
Category_id	Smallint	Primary key for table film_category and foreign key for table Category	category	
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

### 9. Category

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Category_id	Serial	Primary key for table Category		Film_category
Name	Character varying (25)	Name of the category		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

### 10. Customer

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Customer_id	Serial	Primary key for table Customer		rental
Store_id	smallint	Refers to the store where rental was made		
First_name	Character varying (45)	First name of customer		
Last_name	Character varying (45)	Last name of customer		
Email	Character varying (45)	Email of customer		
Address_id	Smallint	Address of customer	address	
activebool	Boolean	True/False value if customer is active		
Create_date	Date	Date this customer profile was created		
Last_update	Timestamp (6) without time zone	Refers to last update of any		

		information in this table		
active	Integer	1 and 0 for being rental being active		

### 11. Address

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Address_id	Serial	Primary key for table Address		store
Address	Character varying (50)	1 <sup>st</sup> line of address		
Address2	Character varying (50)	2 <sup>nd</sup> line of address		
District	Character varying (50)	District of address		
City_id	Smallint	Foreign key to table City	city	
Postal_code	Character varying (10)	Postal code of the of the address		
phone	Character varying (20)	Phone number		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

### 12. City

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
City_id	Serial	Primary key of table City		address
City	Character varying (50)	Name of the city		
Country_id	Smallint	Foreign key to table Country	country	
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

### 13. Country

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Country_id	Serial	Primary key of table Country		city
Country	Character varying (50)	Country name		



Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		
-------------	------------------------------------	---	--	--

#### 14. Staff

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Staff_id	Serial	Primary key of table Staff		store
First_name	Character varying (45)	Staff first name		
Last_name	Character varying (45)	Staff last name		
Address_id	Smallint	Foreign key to table Address	address	
Email	Character varying (50)	Staff's email		
Store_id	Smallint	Name of store staff is based in		
Active	Boolean	True/false if staff is active		
Username	Character varying (16)	Staff's username		
Password	Character varying (40)	Staff's password		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		
picture	bytea	Photo of staff		

#### 1. Store

<u>Column</u>	<u>Type</u>	<u>Description</u>	<u>Links to</u>	<u>Links from</u>
Store_id	Serial	Primary key for table Store		
Manger_staff_id	Smallint	Id of store manager	staff	
Address_id	Smallint	Address of the store	address	
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		

