DATA DICTIONARY

ROCKBUSTER STEALTH LLC

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Contents

Entity relationship diagram:

film_actor

🔑 **actor_id**	SMALLINT
🔑 **film_id**	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor

🔑 **actor_id**	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory

🔑 **inventory_id**	SERIAL
film_id	SMALLINT
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film

🔑 **film_id**	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language

🔑 **language_id**	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category

🔑 **film_id**	SMALLINT
🔑 **category_id**	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category

🔑 **category_id**	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

🔑 **payment_id**	SERIAL
customer_id	SMALLINT
staff_id	SMALLINT
rental_id	INTEGER
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental

🔑 **rental_id**	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER
customer_id	SMALLINT
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer

🔑 **customer_id**	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff

🔑 **staff_id**	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

store

🔑 **store_id**	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

address

🔑 **address_id**	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city

🔑 **city_id**	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country

🔑 **country_id**	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

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Fact Table:

Payment					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Links from*
payment_id	SERIAL	Id of the payment	Primary key		
customer_id	Smallint	Id of the customer		Customer	
staff_id	Smallint	Id of the staff member		Staff	
rental_id	Integer			Rental	
amount	numeric	Amount of the payment			
payment_date	Timestamp without time zone	Payment date			

Store					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Links from*
Store_id	Integer	Id of the store	Primary key		
Manager_staff_id	smallint	Id of the manager of the store		Staff	
Address_id	smallint	Address of the store		Address	
Last_update	Timestamp without time zone	Date of the last update			

Film_actor

Columns	Data type	Description	Key	Link to	Link from
Actor_id	smallint	Id of the actor	Primary key	Actor	
Film_id	smallint	Id of the film	Foreign key	Film	
Last_update	Timestamp without time zone	Last update of the date			

Film_category

Columns	Data type	Description	Key	Link to	Link from
Film_id	smallint	Id of the film	Foreign key	Film	
Category_id	smallint	Category of the film	Foreign key	category	

Dimension tables:

Rental					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
Rental_id	integer	Id of the rental	Primary key		Payment
Rental_date	Timestamp without time zone	Date of the rental			
Inventory_id	Integer	Id of the inventory		Inventory	
Customer_id	Smallint	Id of the customer		Customer	
Return_date	Timestamp without time zone	Rental return date			
Staff_id	Smallint	Id of the staff		Staff	
Last_update	Timestamp without time zone	Date last update			

Inventory					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
Inventory_id	Integer	Id of the inventory	Primary key		
Film_id	smallint	Id of the film		film	
Store_id	smallint	Id of the store		Store	
Last_update	Timestamp without time zone	Date last update			

Customer					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
customer_id	integer	Id of the customer	Primary key		Rental, payment
Store_id	Smallint	Id of the store		store	
First_name	Character varying	First name of the customer			
Last_name	Character varying	Last name of the customer			
Email	Character varying	Email address of the customer			
Address_id	Smallint	Address of the customer		Address	
activebool	boollean				
Create_date	date	Creation date			
Last_update	Timestamp without time zone	Date last update			
active	integer	Account state			

Staff					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
staff_id	integer	Id of the staff	Primary key		Store, payment, rental
First_name	Character varying	First name of staff member			
Last_name	Character varying	Last name of staff member			
Address_id	smallint	Address of staff member		address	
Email	Character varying	Email of staff member			
Store_id	Smallint	Store id		Store	
active	boollean	Staff member state			
Username	Character varying	Staff member username			
Password	Character varying	Staff member password			
Last_update	Timestamp without time zone	Date last update			
Picture	bytea	Staff member picture			

Actor					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
Actor_id	serial	Actor id	Primary key		Film actor
First_name	Character varying	Actor first name			
Last_name	Character varying	Actor last name			
Last_update	Timestamp without time zone	Date last update			

Category					
Columns	*Data type*	*Description*	*Key*	*Link to*	*Link from*
Category_id	serial	Category id	Primary key		Film category
name	Character varying	Category name			
Last_update	Timestamp without time zone	Date las update			

Film

Columns	Data type	Description	Key	Link to	Link from
Film_id	Serial	Film id	Primary key		Inventory, film category, film actor
Title	Character varying	Film title			
Description	text	Film description			
Release_year	year	Film release year			
Language_id	smallint	Film language		Language	
Rental_duration	Smallint	Rental duration time			
Rental_DATE	numeric	Date of the rental			
Length	Smallint	Duration of the film/rental			
Replacement_cost	Numeric	Cost of replacement of the film			
Rating	Mpaa,rating	Rating of the film			
Last_update	Timestamp without time zone	Date last update			
Special_features	text				
Fulltext	tsvector				

Address

Columns	Data type	Description	Key	Link to	Link from
Address_id	serial	Address	Primary key		Store, staff, customer
Address	Character varying	Address			
Address2	Character varying	Address			
District	Character varying	District			
city_id	smallint	City		City	
Postal_code	Character varying	Postal code			
Phone	Character varying	Phone number			
Last_update	Timestamp without time zone	Date last udate			

Language

Columns	Data type	Description	Key	Link to	Link from
language_id	serial	Language	Primary key		Film
name	Character	Name			
Last_update	Timestamp without time zone	Date last update			

City

Columns	Data type	Description	Key	Link to	Link from
city_id	serial	City id	Primary key		address
City	Character varying	City			
Country_id	smallint	Country id		Country	
Last_update	Timestamp without time zone	Date last update			

Country

Columns	Data type	Description	Key	Link to	Link from
country_id	serial	Country id	Primary key		City
Country	Character varying	Country			
Last_update	Timestamp without time zone	Date las update			