Rockbuster Stealth
Data Dictionary

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Entity Relationship Diagram (ERD)

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

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

store

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

employees

🔑 employee_id	SMALLINT
name	CHARACTER VARYING(50)
contact_number	CHARACTER VARYING(30)
designation_id	INTEGER
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Legend

🔑	Primary Key
🔑	Foreign Key

Fact Table

rental

Key	Column	Data Type	Description	Links From	Links To
🔑	rental_id	SERIAL	unique ID number assigned to each rental	payment	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of the rental		
🔑	inventory_id	INTEGER	ID assigned to item rented		inventory
🔑	customer_id	SMALLINT	ID assigned to customer		customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time when the rental was returned		
🔑	staff_id	SMALLINT	ID assigned to staff member		staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

Dimension Tables

payment

Key	Column	Data Type	Description	Links From	Links To
🔑	payment_id	SERIAL	unique ID number assigned to transaction		
🔑	customer_id	SMALLINT	number assigned to customer		customer
🔑	staff_id	SMALLINT	number assigned to staff member		staff
🔑	rental_id	INTEGER	number assigned to rental		rental
	amount	NUMBERIC(5,2)	amount paid for rental		
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of payment		

film_actor

Key	Column	Data Type	Description	Links From	Links To
🔑🔑	actor_id	SMALLINT	unique ID number assigned to each actor		actor
🔑🔑	film_id	SMALLINT	unique ID number assigned to each film		film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

inventory

Key	Column	Data Type	Description	Links From	Links To
🔑	inventory_id	SERIAL	unique ID number assigned to each item rented	rental	
🔑	film_id	SMALLINT	number assigned to film		film
	store_id	SMALLINT	number assigned		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

film_category

Key	Column	Data Type	Description	Links From	Links To
🔑🔑	film_id	SMALLINT	unique ID number assigned to each film		film
🔑🔑	category_id	SMALLINT	unique ID number assigned to each category		category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

customer

Key	Column	Data Type	Description	Links From	Links To
🔑	customer_id	SERIAL	unique ID number assigned to each customer	payment, rental	
	store_id	SMALLINT	number assigned to each store		
	first_name	CHARACTER VARYING(45)	first name of customer		
	last_name	CHARACTER VARYING(45)	last name of customer		
	email	CHARACTER VARYING(45)	email address of customer		
🔑	address_id	SMALLINT	number assigned to customer address		address
	activebool	BOOLEAN	whether or not customer is active		
	create_date	DATE	date on which the customer was added to the system		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		
	active	INTEGER	whether or not customer is active		

staff

Key	Column	Data Type	Description	Links From	Links To
🔑	staff_id	SERIAL	unique ID number assigned to each staff member	payment, rental, store	
	first_name	CHARACTER VARYING(45)	first name of staff member		
	last_name	CHARACTER VARYING(45)	last name of staff member		
🔑	address_id	SMALLINT	number assigned to staff address		address
	email	CHARACTER VARYING(45)	email address of staff member		
	store_id	SMALLINT	number assigned to store at which staff member works		
	active	BOOLEAN	whether or not the staff member currently works for the company		
	username	CHARACTER VARYING(45)	username of staff member account		
	password	CHARACTER VARYING(45)	password of staff member account		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		
	picture	BYTEA	picture of staff member		

store

Key	Column	Data Type	Description	Links From	Links To
🔑	store_id	SERIAL	unique ID number assigned to each store		
🔑	manager_staff_id	SMALLINT	number assigned to each store manager		staff
🔑	address_id	SMALLINT	number assigned to each store address		address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

actor

Key	Column	Data Type	Description	Links From	Links To
🔑	actor_id	SERIAL	unique ID number assigned to each actor	film_actor	
	first_name	CHARACTER VARYING(45)	first name of actor		
	last_name	CHARACTER VARYING(45)	last name of actor		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

film

Key	Column	Data Type	Description	Links From	Links To
🔑	film_id	SERIAL	unique ID number assigned to each film	inventory, film_category, film_actor	
	title	CHARACTER VARYING(45)	title of film		
	description	TEXT	summary of film		
	release_year	year	release year of film		
🔑	language_id	SMALLINT	number assigned to language of film		language
	rental_duration	SMALLINT	duration of rental		
	rental_rate	NUMERIC(4,2)	price of renting film		
	length	SMALLINT	length of film in minutes		
	replacement_cost	NUMERIC(5,2)	replacement cost of film		
	rating	mpaa_rating	rating of film		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		
	special_features	TEXT	special features included in the film (e.g. trailers, deleted scenes)		
	fulltext	TSVECTOR	key words and tags for the film		

category

Key	Column	Data Type	Description	Links From	Links To
🔑	category_id	SERIAL	unique ID number assigned to each category	film_category	
	name	CHARACTER VARYING(25)	name of category		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

address

Key	Column	Data Type	Description	Links From	Links To
🔑	address_id	SERIAL	unique ID number assigned to each address	customer, staff, store	
	address	CHARACTER VARYING(50)	line 1 of street address		
	address2	CHARACTER VARYING(50)	line 2 of street address		
	district	CHARACTER VARYING(20)	district of address		
🔑	city_id	SMALL INT	city of address		city
	postal_code	CHARACTER VARYING(10)	postal code of address		
	phone	CHARACTER VARYING(20)	phone number registered with address		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

language

Key	Column	Data Type	Description	Links From	Links To
🔑	language_id	SERIAL	unique ID number assigned to each language	film	
	name	CHARACTER(20)	name of language		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

city

Key	Column	Data Type	Description	Links From	Links To
🔑	city_id	SERIAL	unique ID number assigned to each city	address	
	city	CHARACTER VARYING(50)	name of city		
🔑	country_id	SMALLINT	number assigned to country		country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		

country

Key	Column	Data Type	Description	Links From	Links To
🔑	country_id	SERIAL	unique ID number assigned to each country	city	
	country	CHARACTER VARYING(50)	name of country		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last update		