Rockbuster Stealth
Data Dictionary

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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)
email	CHARACTER VARYING(50)
address_id	SMALLINT
store_id	SMALLINT

address

address_id	SERIAL
address	CHARACTER VARYING(50)

Fact Table

Rental

Column	Data Type	Description	Links From	Links to	Key
rental_id	SERIAL	Number assigned to Rental	payment		Primary Key
Rental_date	TIMESTAMP(6)WITHOUT TIMEZONE	Date of rental			
inventory_id	INTEGER	Number assigned to item		Inventory	Foreign Key
customer_id	SMALLINT	Number assigned to Customer		customer	Foreign Key
return_date	TIMESTAMP(6)WITHOUT TIMEZONE	Date of return			
staff_id	SMALLINT	Number assigned to Employee		staff	Foreign Key
last_update	TIMESTAMP(6)WITHOUT TIMEZONE	Date entry was last updated			

Dimension Tables

Payment

Column	Data Type	Description	Links From	Links to	Key
payment_id	SERIAL	Number assigned to the Payment			Primary

customer_id	SMALLINT	Number assigned to the Customer		customer	Foreign Key
staff_id	SMALLINT	Number assigned to the Employee		staff	Foreign Key
rental_id	INTEGER	Number assigned to the Rental		rental	Foreign Key
amount	NUMERIC(5, 2)	Amount paid			
payment_date	TIMESTAMP(6)WITHOUT TIMEZONE	Date of payment			

Store

Column	Data Type	Description	Links From	Links to	Key
store_id	SERIAL	Number assigned to the store			primary
manager_staff_id	SMALLINT	Number assigned to the manager		staff	Foreign Key
address_id	SMALLINT	Number assigned to the store address		address	Foreign Key
last_update	TIMESTAMP(6)WITHOUT TIMEZONE	Date entry was last updated			

Inventory

Column	Data Type	Description	Links From	Links to	Key
inventory_id	INTEGER	Number assigned to item	rental		Primary Key
film_id	SMALLINT	Number assigned to film		film	Foreign Key
store_id	SERIAL	Number assigned to the store			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Film_actor

Column	Data Type	Description	Links From	Links to	Key
actor_id	SMALLINT	Number assigned to actor		actor	Primary Key
film_id	SMALLINT	Number assigned to film		film	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Film_category

Column	Data Type	Description	Links From	Links to	Key
film_id	SMALLINT	Number assigned to film		film	Foreign Key

category_id	SMALLINT	Number assigned to category		category	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Customer

Column	Data Type	Description	Links From	Links to	Key
customer_id	SMALLINT	Number assigned to the Customer	rental, payment		Primary
store_id	SERIAL	Number assigned to the store			
first_name	CHARACTER VARYING(45)	Customer first name			
last_name	CHARACTER VARYING(45)	Customer last name			
email	CHARACTER VARYING(45)	Customer email			
address_id	SMALLINT	Number assigned to the customer address		address	Foreign Key
activebool	BOOLEAN	If customer is active			
create_date	DATE	Date customer was created			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			
active	INTEGER	If customer is active			

Staff

Column	Data Type	Description	Links From	Links to	Key
staff_id	SMALLINT	Number assigned to the Employee	payment, rental, store		Primary Key
first_name	CHARACTER VARYING(45)	employee first name			
last_name	CHARACTER VARYING(45)	Employee last name			
address_id	SMALLINT	Number assigned to the employee address		address	Foreign Key
email	CHARACTER VARYING(45)	Employee email			
store_id	SERIAL	Number assigned to the store			
active	BOOLEAN	If employee is active			
username	CHARACTER VARYING(45)	Employee username			
Password	CHARACTER VARYING(45)	Employee password			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			
picture	BYTEA	Employee photo			

Actor

Column	Data Type	Description	Links From	Links to	Key
actor_id	serial	Number assigned to actor	film_actor		Primary Key
first_name	CHARACTER VARYING(45)	Actor first name			
last_name	CHARACTER VARYING(45)	Actor last name			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Film

Column	Data Type	Description	Links From	Links to	Key
film_id	SMALLINT	Number assigned to film	inventory, film_category, film_actor		Primary Key
title	CHARACTER VARYING(45)	Movie name			
description	TEXT	Movie description			
release_year	year	Year released			
language_id	SMALLINT	Number assigned to language		language	Foreign Key
rental_duration	SMALLINT	Length of rental			
rental_rate	Numeric(42)	Rate of rental			

length	SMALLINT	Length of movie			
replacement_cost	NUMERIC(5, 2)	Cost of replacing movie			
rating	Mpaa_rating	Movie rating score			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			
special_features	TEXT	Special features of film			
fulltext	TSVECTOR	Full text of film			

Category

Column	Data Type	Description	Links From	Links to	Key
category_id	SERIAL	Number assigned to category	film_category		Primary Key
name	CHARACTER VARYING(45)	Name of category			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Address

Column	Data Type	Description	Links From	Links to	Key
address_id	SERIAL	Number assigned to the address	staff, store, customer		Primary Key
Address	CHARACTER VARYING(50)	Address			
address2	CHARACTER VARYING(50)	Address 2			
district	CHARACTER VARYING(20)	State/province			
city_id	SMALLINT	City		city	Foreign Key
postal_code	CHARACTER VARYING(10)	Zip code			
phone	CHARACTER VARYING(20)	Phone number			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Language

Column	Data Type	Description	Links From	Links to	Key
language_id	INTEGER	Number assigned to language	film		Primary Key

name	CHARECTER(20)	Name of language			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

City

Column	Data Type	Description	Links From	Links to	Key
city_id	SERIAL	Number assigned to city	address		Primary Key
city	CHARACTER VARYING(50)	City			
country_id	SMALLINT	Number assigned to country		country	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			

Country

Column	Data Type	Description	Links From	Links to	Key
country_id	SERIAL	Number assigned to country	city		Primary Key
country	CHARACTER VARYING(50)	Country			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			