



Rockbuster Stealth

Data Dictionary

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Rockbuster Stealth LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. The existing database has information on film rentals. It can be analyzed to develop a new online video rental service.

Entity Relationship Diagram



Fact Table

Payment Table

Columns	Data Type	Description
payment_id	serial	Unique identifier for payment
customer_id	smallint	Unique identifier for customer
staff_id	smallint	Unique identifier for staff
rental_id	integer	Unique identifier for rental
amount	numeric	Amount of payment received
payment_date	timestamp without time zone	Date of payment

Links To

Table	Join	Description
Customer	Payment.customer_id = Customer.customer_id	Foreign Key reference to customer table
Staff	Payment.staff_id = Staff.staff_id	Foreign Key reference to staff table
Rental	Payment.rental_id = Rental.rental_id	Foreign Key reference to rental table

Linked From

The payment table does not link from any other tables.

Unique Keys

Columns	Key Type	Description
payment_id	primary	Unique identifier for payment
customer_id	foreign	Unique identifier for customer
staff_id	foreign	Unique identifier for staff
rental_id	foreign	Unique identifier for rental

Rental Table

Columns	Data Type	Description
rental_id	serial	Unique identifier for rental
rental_date	timestamp without time zone	Date of rental
inventory_id	integer	Unique identifier for inventory
customer_id	smallint	Unique identifier for customer
return_date	timestamp without time zone	Date of return
staff_id	smallint	Unique identifier for staff
last_update	timestamp without time zone	Time of last update

Links To

Table	Join	Description
Inventory	Rental.inventory_id = Inventory.inventory_id	Foreign Key reference to inventory table
Customer	Rental.customer_id = Customer.customer_id	Foreign Key reference to customer table
Staff	Rental.staff_id = Staff.staff_id	Foreign Key reference to staff table

Linked From

Table	Join	Description
Payment	Rental.rental_id = Payment.rental_id	Foreign Key reference to payment table

Unique Keys

Columns	Key Type	Description
rental_id	primary	Unique identifier for rental
inventory_id	foreign	Unique identifier for inventory
customer_id	foreign	Unique identifier for customer
staff_id	foreign	Unique identifier for staff

Dimension Table

Actor Table

Columns	Data Type	Description
actor_id	serial	Unique identifier for actor
first_name	character varying (45)	First name of actor
last_name	character varying (45)	Last name of actor
last_update	timestamp without time zone	Time of last update

Links to

The actor table does not link to any other table.

Linked From

Table	Join	Description
Film_Actor	Actor.actor_id = Film_Actor.actor_id	Foreign Key reference to film_actor table

Unique Keys

Columns	Key Type	Description
actor_id	primary	Unique identifier for actor

Address Table

Columns	Data Type	Description
address_id	integer	Unique identifier for address
address	character varying (50)	First line of address
address2	character varying (50)	Second line of address
district	character varying (20)	District of address
city_id	smallint	Unique identifier of city
postal_code	character varying (10)	Postal code associated with address
phone	character varying (20)	Phone number for address
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
City	Address.city_id = City.city_id	Foreign Key reference to city table

Linked From

Table	Join	Description
Customer	Address.address_id = Customer.address_id	Foreign Key reference to customer table
Staff	Address.address_id = Staff.address_id	Foreign Key reference to staff table
Store	Address.address_id = Store.address_id	Foreign Key reference to store table

Unique Keys

Columns	Key Type	Description
address_id	primary	Unique identifier for address
city_id	foreign	Unique identifier for city

Category Table

Columns	Data Type	Description
category_id	serial	Unique identifier for category
name	character varying (25)	Name of category
last_update	timestamp without time zone	Time of last update

Links to

The category table does not link to any other table.

Linked From

Table	Join	Description
Film_Category	Category.category_id = Film_Category.category_id	Foreign Key reference to film_category table

Unique Keys

Columns	Key Type	Description
category_id	primary	Unique identifier for category

City Table

Columns	Data Type	Description
city_id	integer	Unique identifier for city
city	character varying (50)	Name of city
country_id	smallint	Unique identifier for country
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
Country	City.country_id = Country.country_id	Foreign Key reference to country table

Linked From

Table	Join	Description
Address	City.city_id = Address.city_id	Foreign Key reference to address table

Unique Keys

Columns	Key Type	Description
city_id	primary	Unique identifier for city
country_id	foreign	Unique identifier for country

Country Table

Columns	Data Type	Description
country_id	integer	Unique identifier for country
country	character varying (50)	Name of country
last_update	timestamp without time zone	Time of last update

Links to

The country table does not link to any other table.

Linked From

Table	Join	Description
City	Country.country_id = City.country_id	Foreign Key reference to city table

Unique Keys

Columns	Key Type	Description
country_id	primary	Unique identifier for country

Customer Table

Columns	Data Type	Description
customer_id	integer	Unique customer identifier
store_id	smallint	Unique identifier for store
first_name	character varying (45)	First name of customer
last_name	character varying (50)	Last name of customer
email	character varying (50)	E-mail address of customer
address_id	smallint	Unique identifier for address
activebool	boolean	Whether customer is active
create_date	date	Date of customer profile creation
last_update	timestamp without time zone	Time of last update
active	integer"	Active status represented by 0 or 1

Links to

Table	Join	Description
Address	Customer.address_id = Address.address_id	Foreign Key reference to address table

Linked From

Table	Join	Description
Payment	Customer.customer_id = Payment.customer_id	Foreign Key reference to payment table
Rental	Customer.customer_id = Rental.customer_id	Foreign Key reference to rental table

Unique Keys

Columns	Key Type	Description
customer_id	primary	Unique identifier for customer
address_id	foreign	Unique identifier for address

Film Table

Columns	Data Type	Description
film_id	serial	Unique identifier for film
title	character varying (255)	Title of film
description	text	Description of film
release_year	integer	Year of film release
language_id	smallint	Language of film
rental_duration	smallint	Duration of rental
rental_rate	numeric	Rate of rental
length	smallint	Length of film
replacement_cost	numeric	Replacement cost of film
rating	USER-DEFINED	Rating of film
last_update	timestamp without time zone	Time of last update
special_features	ARRAY	Special features of film
fulltext	tsvector	Film index; contains count of key words in description

Links to

Table	Join	Description
Language	Film.language_id = Language.language_id	Foreign Key reference to language Table

Linked From

Table	Join	Description
Film_Actor	Film.film_id = Film_Actor.film_id	Foreign Key reference to film_actor table
Inventory	Film.film_id = Inventory.film_id	Foreign Key reference to inventory table
Film_Category	Film.film_id = Film_Category.film_id	Foreign Key reference to film_category table

Unique Keys

Columns	Key Type	Description
film_id	primary	Unique identifier for film
language_id	foreign	Unique identifier for language

Film Actor Table

Columns	Data Type	Description
actor_id	smallint	Unique identifier for actor
film_id	smallint	Unique identifier for film
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
Actor	Film_Actor.actor_id = Actor.actor_id	Foreign Key reference to actor table
Film	Film_Actor.film_id = Film.film_id	Foreign Key reference to film table

Linked From

The film actor table does not link from any other table.

Unique Keys

Columns	Key Type	Description
actor_id	primary	Unique identifier for actor
film_id	foreign	Unique identifier for film

Film Category Table

Columns	Data Type	Description
film_id	smallint	Unique identifier for film
category_id	smallint	Unique identifier for category
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
Film	Film_Category.film_id = Film.film_id	Foreign Key reference to film table
Category	Film_Category.category_id = Category.category_id	Foreign Key reference to category table

Linked From

The film category table does not link from any other table.

Unique Keys

Columns	Key Type	Description
film_id	primary	Unique identifier for film
category_id	foreign	Unique identifier for category

Inventory Table

Columns	Data Type	Description
inventory_id	serial	Unique identifier for inventory
film_id	smallint	Unique identifier for film
store_id	smallint	Unique identifier for store
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
Film	Inventory.film_id = Film.film_id	Foreign Key reference to inventory table

Linked From

Table	Join	Description
Rental	Inventory.inventory_id = Rental.inventory_id	Foreign Key reference to rental table

Unique Keys

Columns	Key Type	Description
inventory_id	primary	Unique identifier for inventory
film_id	foreign	Unique identifier for film

Language Table

Columns	Data Type	Description
language_id	integer	Unique identifier for language
name	character (20)	Name of language
last_update	timestamp without time zone	Time of last update

Links to

The language table does not link to any other table.

Linked From

Table	Join	Description
Film	Language.language_id = Film.language_id	Foreign Key reference to film table

Unique Keys

Columns	Key Type	Description
language_id	primary	Unique identifier for language

Staff Table

Columns	Data Type	Description
staff_id	serial	Unique identifier for staff member
first_name	character varying (45)	First name of staff member
last_name	character varying (45)	Last name of staff member
address_id	smallint	Unique identifier for address
email	character varying (50)	E-mail address of staff member
store_id	smallint	Unique identifier for store
active	boolean	Whether staff member is active
username	character varying (16)	Username of the staff member
password	character varying (40)	Password of the staff member
last_update	timestamp without time zone	Time of last update
picture	bytea	Picture of staff member

Links to

Table	Join	Description
Address	Staff.address_id = Address.address_id	Foreign Key reference to address table

Linked From

Table	Join	Description
Rental	Staff.staff_id = Rental.staff_id	Foreign Key reference to rental table
Payment	Staff.staff_id = Payment.staff_id	Foreign Key reference to payment table
Store	Staff.staff_id = Store.staff_id	Foreign Key reference to store table

Unique Keys

Columns	Key Type	Description
staff_id	primary	Unique identifier for staff
address_id	foreign	Unique identifier for address

Store Table

Columns	Data Type	Description
store_id	serial	Unique identifier for store
manager_staff_id	smallint	Unique identifier for staff manager
address_id	smallint	Unique identifier for address
last_update	timestamp without time zone	Time of last update

Links to

Table	Join	Description
Staff	Store.manager_staff_id = Staff.staff_id	Foreign Key reference to staff table
Address	Store.address_id = Address.address_id	Foreign Key reference to address table

Linked From

The store table does not link from any other table.

Unique Keys

Columns	Key Type	Description
store_id	primary	Unique identifier for store
manager_staff_id	foreign	Unique identifier for manager
address_id	foreign	Unique identifier for address