

ROCKBUSTER STEALTH LLC DATA DICTIONARY

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LEGEND	
Primary Key	Is a column that acts as a unique identifier for each record in the table. It has to be unique for each entry and it can't be null.
Foreign key	Is a column that refers to the primary key in another table. They are used to establish relationships between tables.

ENTITY RELATIONSHIP DIAGRAM



FACT TABLE

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO
<i>PAYMENT</i>			
payment_id	Serial	Unique payment identifier- Primary Key	customer_id staff_id rental_id
customer_id	Small int	Unique customer identifier- Foreign Key	
staff_id	Small int	Unique staff identifier Foreign Key	
rental_id	integer	Unique rental identifier Foreign Key	
amount	Numerics (5,2)	Amount of payment	
payment_date	Timestamp without time zone	Date and time record of payment	

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>RENTAL</i>				
rental_id	serial	Unique rental identifier Primary Key	inventory_id customer_id staff_id	Payment table (rental_id)
rental_date	Timestamps without time zone	Date and time of rental		
inventory_id	integer	Unique inventory identifier Foreign Key		
customer_id	Small integer	Unique customer identifier Foreign Key		
return_date	Timestamp without time zone	Date and time of rental		
staff_id	Small integer	Unique staff identifier Foreign Key		
last_update	Timestamp without time zone	Date and time of latest update		

DIMENSION TABLE

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>FILM_ACTOR</i>				
actor_id	Small integer	Unique actor identifier Primary Key	Actor table (actor_id) Film table (film_id)	
film_id	Small integer	Unique film identifier Primary Key		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>INVENTORY</i>				
inventory_id	Serial	Unique inventory identifier Primary Key	Film table (film_id) Customer table (store_id)	Rental table (inventory_id)
film_id	Small integer	Unique film identifier Foreign Key		
store_id	Small integer	Unique store identifier Foreign Key		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>FILM_CATEGORY</i>				
film_id	Small integer	Unique film identifier Primary Key	Film table (film_id) Category table (category_id)	
category_id	Small integer	Unique category identifier Primary Key		
last_update	Timestamp without timezone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>STORE</i>				
store_id	serial	Store unique identifier Primary Key	Address table (address_id)	Staff table (store_id) Inventory table (store_id)
manager_staff_id	Small integer	Manager staff unique identifier Foreign Key		
address_id	Small integer	Unique address identifier Foreign Key		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
CUSTOMER				
customer_id	serial	Unique customer identifier Primary Key	Address table (address_id) Store table (store_id)	Rental table (customer_id) Payment Table (customer_id)
store_id	Small integer	Unique store identifier		
first_name	Character varying (45)	Customer first name		
last_name	Character varying (45)	Customer last name		
email	Character varying (50)	Customer email		
address_id	Small integer	Unique address identifier Foreign Key		
activebool	Boolean	Customer's active status		
create_date	Date	Date of customer profile creation		
last_update	Timestamp without time zone integer	Date and time of latest update		
active	integer	Active status represented by 0 or 1		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>STAFF</i>				
staff_id	Serial	Unique staff member identifier Primary Key	Address table (address_id)	Payment table (staff_id) Rental table (staff_id)
first_name	Character varying (45)	Staff member's first name		
last_name	Character varying (45)	Staff member's last name		
address_id	Small integer	Unique address identifier Foreign Key		
email	Character varying (50)	Staff member's email address		
store_id	Small integer	Unique store identifier		
active	Boolean	Staff members' active status		
username	Character varying (16)	Staff members' username		
password	Character varying (40)	Staff members' password		
last_update	Timestamp without time zone	Date and time of latest update		
picture	BYTEA	Staff member's picture		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>ACTOR</i>				
actor_id	serial	Unique actor identifier Primary Key		Film_actor table (actor_id)
first_name	Character varying (45)	Actor's first name		
last_name	Character varying (45)	Actor's last name		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>FILM</i>				
film_id	serial	Unique film identifier Primary Key	Language table (language_id)	Film table (film_id)
title	Character varying (255)	Film title		
description	text	Description of film		
release_year	year	Film release year		
language_id	Small integer	Language of film Foreign Key		
rental_duration	Small integer	Rate or rental		
rental_rate	Numeric (4,2)	Length of film		
length	Small integer	Replacement of cost of film		
replacement_cost	Numeric (5,2)	Replacement cost of film		
rating	mppa_rating	Film rating		
last_update	Timestamp without time zone	Date and time of latest update		
special_features	text	Film's special features (trailers)		
fulltext	tsvector	Film index; used for searching		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>CATEGORY</i>				
category_id	serial	Category unique identifier Primary Key		Film_category table (category_id)
name	Character varying (25)	Category name (genre)		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>ADDRESS</i>				
address_id	serial	Address unique identifier Primary Key	City table (city_id)	Staff table (address_id) Customer table (address_id) Store table (address_id)
address	Character varying (50)	First line of address		
address2	Character varying (50)	Second line of address		
district	Character varying (20)	Address district		
city_id	Small integer	City unique identifier Foreign Key		
postal_code	Character varying (10)	Address' postal code		
phone	Character varying (20)	Address' phone number		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>LANGUAGE</i>				
language_id	serial	Language unique identifier Primary Key		Film table (language_id)
name	Character (20)	Language name		
last_update	Timestamp without time zone	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>CITY</i>				
city_id	serial	City's unique identifier Primary Key	Country table (country_id)	Address table (city_id)
city	Character varying (50)	City name		
country_id	Small integer	Country's unique identifier Foreign Key		
last_update	Timestamp without time	Date and time of latest update		

TABLE NAME	DATA TYPE	DESCRIPTION	LINKS TO	LINKS FROM
<i>COUNTRY</i>				
country_id	serial	Country's unique identifier Primary Key		City table (country_id)
country	Character varying (50)	Name of country		
last_update	Timestamp without time zone	Date and time of latest update		