

ROCKBUSTER STEALTH LLC

DATA DICTIONARY

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Table of Contents

ROCKBUSTER STEALTH LLC.....	3
ENTITY RELATIONSHIP DIAGRAM	4
FACT TABLES	5
PAYMENT	5
RENTAL	5
DIMENSION TABLES.....	6
film_actor	6
Inventory	6
film_category	7
Customer	8
Staff	9
Actor.....	10
Film.....	10
Category	11
Language	11
Address.....	12
City	12
Country.....	13

ROCKBUSTER STEALTH LLC

This is a Data Dictionary documentation for Rockbuster Stealth LLC- Postgre SQL database.

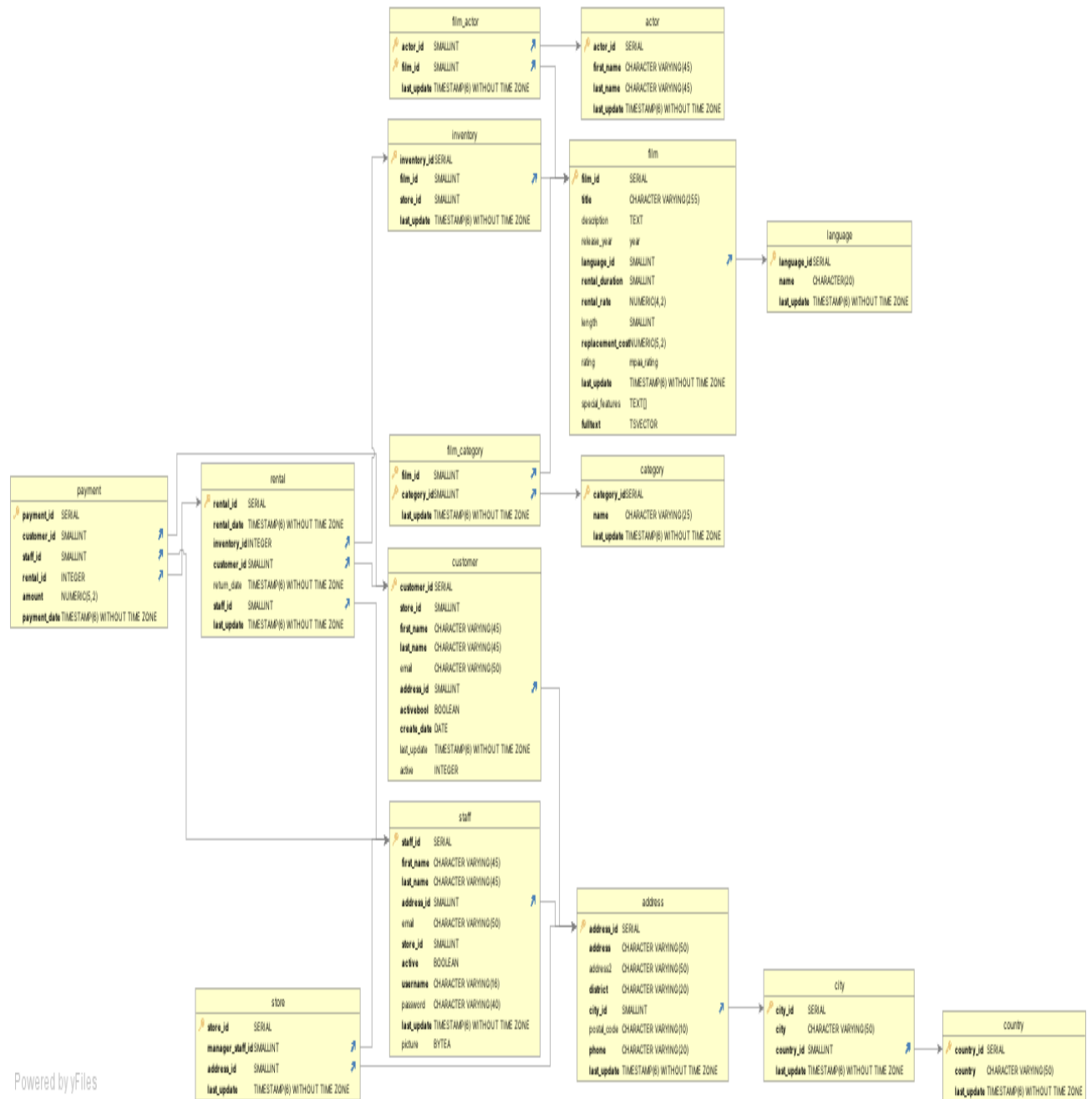
Rockbuster company is planning to use its existing movie licenses to launch an online video rental service. At present, the Rockbuster database supports transaction processing for movie rentals worldwide.

Rockbuster Database can be downloaded from here:







dvdrental.zip

ENTITY RELATIONSHIP DIAGRAM



FACT TABLES



PAYMENT



	COLUMN	DATA TYPE	DESCRIPTION
	payment_id	SERIAL	Surrogate Primary Key
	customer_id	SMALLINT	It is unique key/number for the customer details and also the foreign key linking the Customer dimension table
	staff_id	SMALLINT	Unique key/number for the staff identification and also foreign key for the staff dimension table
	rental_id	INTEGER	Unique key/number for the rental identification and also foreign key for the rental table
	amount	NUMERIC(5,2)	Integer which shows the cost of each rental movie.
	payment_date	TIMESTAMP(6) WITHOUT THE TIMEZONE	Date on which the payment is done

Links to

TABLE	JOIN
Rental	payment.rental_id=rental.rental_id
Customer	payment.customer_id=customer.customer_id
Staff	payment.staff_id=staff.staff_id

RENTAL

	COLUMN	DATA TYPE	DESCRIPTION
	rental_id	INTEGER	Surrogate Primary Key
	rental_date	TIMESTAMP(6) WITHOUT THE TIMEZONE	Date on which the movie is rented out
	inventory_id	INTEGER	Foreign key for the dimension table INVENTORY which is unique to the inventory details



	customer_id	SMALLINT	Unique key/number for the customer details and foreign key to the customer dimension table
	return_date	TIMESTAMP(6) WITHOUT THE TIMEZONE	The date on which the rented movie is returned
	staff_id	SMALLINT	Unique key/number showing the staff identification, also foreign key for the staff dimension table
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the particular record

Links to

Table	Join
Inventory	rental.inventory_id=inventory.inventory_id
Customer	rental.customer_id=customer.customer_id
Staff	rental.staff_id=staff.staff_id

DIMENSION TABLES

film_actor


	COLUMN	DATA TYPE	DESCRIPTION
	actor_id	SMALLINT	Foreign key to 'actor' dimension table
	film_id	SMALLINT	Foreign key to 'film' dimension table
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links to

Table	Join
Actor	film_actor.actor_id=actor.actor_id
Film	Film_actor.film_id=film.film_id

Inventory

	COLUMN	DATA TYPE	DESCRIPTION
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	inventory_id	SERIAL	Primary key to identify the inventory details
	film_id	SMALLINT	Unique identification for each film and foreign key to 'film' dimension table
	store_id	SMALLINT	Unique identification for store where the movies are located
	Last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant records



Links to

Table	Join
Film	Inventory.inventory_id=film.inventory_id

Links from

Table	Join
Rental	Rental.inventory_id=inventory.inventory_id



film_category

	COLUMN	DATA TYPE	DESCRIPTION
	film_id	SMALLINT	Unique identification for each film and foreign key to 'film' dimension table
	category_id	SMALLINT	Unique identification for store where the movies are located and foreign key to 'category' table
	Last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links to

Table	Join
Film	Film_Category.film_id=film.film_id
Category	Film_category.category_id=category.category_id

Customer

	COLUMN	DATA TYPE	DESCRIPTION
	customer_id	SERIAL	Primary key and unique identification for the customer
	store_id	SMALLINT	Unique identification for store where the movies are located
	first_name	CHARACTER VARYING(45)	First name of customer
	last_name	CHARACTER VARYING(45)	Last name of customer
	email	CHARACTER VARYING(45)	Email id of customer
	address_id	SMALLINT	Foreign key to address table and unique identification of the customer address
	active_bool	BOOLEAN	True or false for customer is active or inactive
	create_date	DATE	Date on which the record is created
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record
	active	INTEGER	Integer showing customer is active or inactive



Links to

Table	Join
Address	customer.address_id=address.address_id

Links from

Table	Join
Rental	rental.customer_id=customer.customer_id
Payment	payment.customer_id=customer.customer_id

Staff

	COLUMN	DATA TYPE	DESCRIPTION
	staff_id	SERIAL	Primary key and Unique key/number showing the staff identification,
	first_name	CHARACTER VARYING(45)	First name of staff member
	last_name	CHARACTER VARYING(45)	Last name of staff member
	address_id	SMALLINT	Foreign key to address table and unique identification of the staff member address
	email	CHARACTER VARYING(45)	Email id of staff member
	store_id	SMALLINT	Unique identification for store where the staff member is placed
	active	BOOLEAN	Staff member is active or inactive
	username	CHARACTER VARYING(45)	Staff username
	password	CHARACTER VARYING(45)	Staff password
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record
	picture	BYTEA	Picture of staff member


Links to

Table	Join
Address	Staff.address_id=address.address_id

Links from

Table	Join
Store	store.manager_staff_id=staff.staff_id
Rental	rental.staff_id=staff.staff_id
Payment	payment.staff_id=staff.staff_id



Actor

	COLUMN	DATA TYPE	DESCRIPTION
	actor_id	SERIAL	Primary key and Unique key/number showing the actor identification,
	first_name	CHARACTER VARYING(45)	First name of actor
	last_name	CHARACTER VARYING(45)	Last name of actor
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links from

Table	Join
Film_Actor	film_actor.actor_id=actor.actor_id

Film

	COLUMN	DATA TYPE	DESCRIPTION
	film_id	SERIAL	Primary key and Unique key/number showing the film identification,
	title	CHARACTER VARYING(45)	Title of the film
	description	TEXT	Description of the film
	release_year	YEAR	Year in which film is released
	language_id	SMALLINT	Foreign key for the 'language' table and unique identification for the film language
	rental_duration	SMALLINT	Duration for which the film is rented
	rental_rate	NUMERIC(4,2)	Rate of the rented movie
	length	SMALLINT	Duration of the film
	replacement_cost	NUMERIC(5,2)	Cost for replacing the film
	rating	Mpaa_rating	Rating of the film
	last_update	BYTEA	Latest updated date and time for the relevant record
	special_features	TEXT	Special features of the film

	Fulltxt	TSVECTOR	Text search data
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Links to

Table	Join
Language	Film.language_id=language.language_id

Links from

Table	Join
Inventory	inventory.film_id=film.film_id
Film_actor	film_actor.film_id=film.film_id
Film_category	film_category.film_id=film.film_id


Category

	COLUMN	DATA TYPE	DESCRIPTION
	category_id	SERIAL	Primary key and Unique key/number showing the category identification
	name	CHARACTER VARYING(25)	Name of the category of the film
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links from

Table	Join
Film_category	film_category.category_id= category.category_id



Language

	COLUMN	DATA TYPE	DESCRIPTION
	language_id	SERIAL	Primary key and Unique key/number showing the language identification
	name	CHARACTER VARYING(20)	Name of the language of the film
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links from

Table	Join
Film	Film.language_id=language.language_id

Address

	COLUMN	DATA TYPE	DESCRIPTION
	address_id	SERIAL	Primary key and Unique key/number showing the address identification
	address	CHARACTER VARYING(50)	Address information
	address2	CHARACTER VARYING(50)	Address information
	district	CHARACTER VARYING(20)	Name of the district
	city_id	SMALLINT	Foreign key to 'city' table and unique identification for the city
	postal_code	CHARACTER VARYING(10)	Postal code info
	Phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links to



Table	Join
City	address.city_id=city.city_id

Links from

Table	Join
Staff	staff.address_id=address.address_id
Store	store.address_id=address.address_id
Customer	customer.address_id=address.address_id

City

	COLUMN	DATA TYPE	DESCRIPTION
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	city_id	SERIAL	Primary key and unique number showing the city information
	city	CHARACTER VARYING(50)	Name of the city
	country_id	SMALLINT	Foreign key to the 'country' table and unique identification for the country
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record


Links to

Table	Join
Country	city.country_id=country.country_id

Links from

Table	Join
Address	address.city_id=city.city_id

Country

	COLUMN	DATA TYPE	DESCRIPTION
	country_id	SERIAL	Primary key and unique number showing the country information
	country	CHARACTER VARYING(50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Latest updated date and time for the relevant record

Links from

Table	Join
City	city.country_id=country.country_id