R**O**CKBUSTER

Data Dictionary

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ROCKBUSTER

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

This is a sample Dataedo documentation - Rockbuster - Microsoft SQL Server sample database.

The Rockbuster database supports standard online transaction processing scenarios for rental movies.

Scenarios include Customer, Film, Film Category, Actor and Staff.

ERD

film_actor

🔑 **actor_id**	SMALLINT	↗
🔑 **film_id**	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

inventory

🔑 **inventory_id**	SERIAL	
film_id	SMALLINT	
store_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	

payment

🔑 **payment_id**	SERIAL	
customer_id	SMALLINT	↗
staff_id	SMALLINT	↗
rental_id	INTEGER	↗
amount	NUMERIC(5,2)	
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	

film_category

🔑 **film_id**	SMALLINT	↗
🔑 **category_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	

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	

language

🔑 **language_id**	SERIAL	
name	CHARACTER(20)	
last_update	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	

category

🔑 **category_id**	SERIAL	
name	CHARACTER VARYING(25)	
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	

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	

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	

country

🔑 **country_id**	SERIAL	
country	CHARACTER VARYING(50)	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

4. PAYMENT

	Columns	Data Type	Description
🔑	payment_id	SERIAL	Primary key, unique id number for payment
↗	costumer_id	SMALLINT	unique id number for customer
↗	staff_id	SMALLINT	unique id number for managing staff
↗	rental_id	INTERGER	unique id number for rental
	amount	NUMERICS(5,2)	amount of payment
	payment_date	TIMESTAMP(&) WITHOUT TIME ZONE	date of payment

LINKS TO

	Table	Join	Description
⇨	customer	payment.customer_id= customer.customer_id	Foreign key constraint referencing customer.customer_id
⇨	staff	payment.staff_id= staff.staff_id	Foreign key constraint referencing staff.staff_id
⇨	rental	payment.rental_id= rental.rental_id	Foreign key constraint referencing rental.rental_id

5. RENTAL

	Columns	Data Type	Description
	rental_id🔑	SERIAL	Primary key, unique id number for rental
	rental_date	TIMESTAMP(6)WITHOUT TIME ZONE	date of rental
↗	inventory_id	INTERGER	number for inventory
↗	costumer_id	SMALLINT	unique number for customer

	return_date	TIMESTAMP(6)WITHOUT TIME ZONE	date of return
↗	staff_id	SMALLINT	unique number for managing staff
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for rental matter, e.g return date

LINKS TO

	Table	Join	Description
⇨	inventory	rental.inventory_id= inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
⇨	customer	rental.customer_id= customer.customer_id	Foreign key constraint referencing customer.customer_id
⇨	staff	rental.staff_id= staff.staff_id	Foreign key constraint referencing staff.staff_id

LINKED FROM

	Table	Join	Description
⇦	payment	payment.rental_id= rental.rental_id	Foreign key constraint referencing rental.rental_id

6. FILM_ACTOR

	Columns	Data Type	Description
🔑↗	actor_id	SMALLINT	Primary key, unique id number for actor
🔑↗	film_id	SMALLINT	Candidate key, unique id number for respective film that including the actor
	last_updrate	TIMESTAMP(6)WITHOUT TIME ZONE	last update for actor, e.g. an added film_id

LINKS TO

	Table	Join	Description
⇨	actor	film_actor.actor_id= actor.actor_id	Foreign key constraint referencing actor.actor_id
⇨	film	film_actor.film_id= film.film_id	Foreign key constraint referencing film.film_id

7. INVENTORY

	Columns	Data Type	Description
🔑	inventory_id	SERIAL	Primary key, unique id number for inventory
↗	film_id	SMALLINT	unique id number for film
	store_id	SMALLINT	unique id number for store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update for inventory, e.g. an added film_id

LINKS TO

	Table	Join	Description
⇨	film	inventory.film_id= film.film_id	Foreign key constraint referencing film.film_id

LINKED FROM

	Table	Join	Description
⇦	rental	rental.rental_id= inventory.rental_id	Foreign key constraint referencing inventory.rental_id

8. FILM_CATEGORY

	Columns	Data Type	Description
🔑↗	film_id	SMALLINT	Primary key, unique id number for film
🔑↗	category_id	SMALLINT	Candidate key, unique id number for category
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for film_category

LINKS TO

	Table	Join	Description
⇨	film	film_category.film_id= film.film_id	Foreign key constraint referencing film.film_id
⇨	category	film_category.category_id= category.category_id	Foreign key constraint referencing category.category_id

9.CUSTOMER

	Columns	Data Type	Description
🔑	costumer_id	SERIAL	Primary key, unique id number for customer
	store_id	SMALLINT	unique id number for customers store
	first_name	CHARACTER VARYING(45)	customer first name, max character 45
	last_name	CHARACTER VARYING(45)	customer last name, max character 45
	email	CHARACTER VARYING(50)	customer email address, max character 50
↗	address_id	SMALLINT	unique number for customer address

	activebool	BOOLEAN	active customer true or false
	create_date	DATE	date of customer registration
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for customer
	active	INTERGER	active customer yes or no. 1 for true, 0 for false

LINKS TO

	Table	Join	Description
⇨	address	customer.address_id= address.address_id	Foreign key constraint referencing address.address_id

LINKED FROM

	Table	Join	Description
⇦	payment	payment.customer_id= customer.custome_id	Foreign key constraint referencing customer.custome_id

10. STAFF

	Columns	Data Type	Description
🔑	staff_id	SERIAL	Primary key, unique id number for staff
	first_name	CHARACTER VARYING(45)	staff first name, max character 45
	last_name	CHARACTER VARYING(45)	staff last name, max character 45
↗	address_id	SMALLINT	unique number for staff address
	email	CHARACTER VARYING(50)	staff email address, max letters 50
	active	BOOLEAN	active staff true or false
	username	CHARACTER VARYING(16)	staff username in the system, max character 16
	password	CHARACTER VARYING(40)	staff password in the system, max character 40

	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for staff
	picture	BYTEA	staff picture

LINKS TO

	Table	Join	Description
⇨	address	staff.address_id= address.address_id	Foreign key constraint referencing address.address_id

LINKED FROM

	Table	Join	Description
⇦	store	store.manager_staff_id= staff.staff_id	Foreign key constraint referencing staff.staff_id
⇦	rental	rental.staff_id= staff.staff_id	Foreign key constraint referencing staff.staff_id
⇦	payment	payment.staff_id= staff.staff_id	Foreign key constraint referencing staff.staff_id

11. ACTOR

	Columns	Data Type	Description
🔑	actor_id	SERIAL	Primary key, unique id number for actor
	first_name	CHARACTER VARYING(45)	actor first name, max character 45
	last_name	CHARACTER VARYING(45)	actor last name, max character 45

	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for actor

LINKED FROM

	Table	Join	Description
↩	film_actor	film_actor.actor_id= actor.actor_id	Foreign key constraint referencing actor.actor_id

12. FILM

	Columns	Data Type	Description
🔑	film_id	SERIAL	Primary key, unique id number for film
	title	CHARACTER VARYING(255)	title of the film, max character 255
	description	TEXT	description of film
	release_year	YEAR	release year for the film
↗	language_id	SMALLINT	unique id number for language in film
	rental_duration	SMALLINT	average rental duration for film
	rental_rate	NUMERIC(4,2)	rental price for the film)
	length	SMALLINT	length of film
	replecment_cost	NUMERIC(5,2)	replacement cost for film (cost for lost item)
	rating	mpaa_rating	MPAA rating (G, PG, PG-13, R, NC-17)
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for the film
	special_features	TEXT[]	special features of the film
	fulltext	TSVECTOR	full description for the film

LINKS TO

	Table	Join	Description
⇨	language	film.language_id= language.language_id	Foreign key constraint referencing language.language_id

LINKED FROM

	Table	Join	Description
⇦	film_category	film_category.film_id= film.film_id	Foreign key constraint referencing film.film_id

13. CATEGORY

	Columns	Data Type	Description
🔑	category_id	SERIAL	Primary key, unique id number for category
	name	CHARACTER VARYING(25)	name of category, max character 25
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for category

LINKED FROM

	Table	Join	Description
⇦	film_category	film_category.category_id= category.category_id	Foreign key constraint referencing category.category_id

14. ADDRESS

	Columns	Data Type	Description
🔑	address_id	SERIAL	Primary key, unique id number for address

	address	CHARACTER VARYING(50)	name of address, max character 50
	address2	CHARACTER VARYING(50)	name of address 2, max character 50
	district	CHARACTER VARYING(20)	name of district, max character 20
↗	city_id	SMALLINT	unique id number for city
	postal_code	CHARACTER VARYING(10)	postal code, max character 10
	phone	CHARACTER VARYING(20)	postal code, max character 20
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for address

LINKS TO

	Table	Join	Description
⇨	city	address.city_id= city.city_id	Foreign key constraint referencing city.city_id

LINKED FROM

	Table	Join	Description
⇦	store	store.address_id= address.address_id	Foreign key constraint referencing address.address_id
⇦	staff	staff.address_id= address.address_id	Foreign key constraint referencing address.address_id
⇦	customer	customer.address_id= address.address_id	Foreign key constraint referencing address.address_id

15. LANGUAGE

	Columns	Data Type	Description
🔑	language_id	SERIAL	Primary key, unique id number for language
	name	CHARACTER VARYING(20)	name of language, max character 20
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for language

LINKED FROM

	Table	Join	Description
⇦	film	film.language_id= language.language_id	Foreign key constraint referencing language.language_id

16. CITY

	Columns	Data Type	Description
🔑	city_id	SERIAL	Primary key, unique id number for city
	city	CHARACTER VARYING(50)	name of city, max character 50
↗	country_id	SMALLINT	unique id number for country
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for city

LINKS TO

	Table	Join	Description
⇨	country	country.country_id= city.country_id	Foreign key constraint referencing city.country_id

LINKED FROM

	Table	Join	Description
⇦	address	address.city_id= city.city_id	Foreign key constraint referencing city.city_id

17. COUNTRY

	Columns	Data Type	Description
🔑	country_id	SERIAL	Primary key, unique id number for country
	country	CHARACTER(20)	name of country, max character 50
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	last update for country

LINKED FROM

	Table	Join	Description
⇦	city	city.country_id= country.country_id	Foreign key constraint referencing country.country_id

Legends

🔑   Primary key

↗   Foreign key

⇨   Links to

⇦   Linked from