Rockbuster Ltd data dictionary

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Rockbuster Ltd

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Fact Table

3.1 Actor

Columns	Data type	Description
(primary key) actor_id	SERIAL	The actor id for the particular actor
first_name	CHARACTER VARYING(255)	The first name of the actor
last_name	CHARACTER VARYING(255)	The last name of the actor
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked from

Table	Join	Title/name description
Film_actor	actor_id = actor_id	Foreign key constraint referencing actor_id

Unique keys

Key	Column	Title/name description
Primary	**actor_id**	PK_actor_actor_id Primary key (clustered)

3.2 Store

Columns	Data type	Description
(primary key) store_id	SERIAL	The store id for the particular store
manager_staff_id	SMALLINT	The manager id that are unique to every manager
address_id	SMALLINT	The address id of the particular store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Staff	manager_staff_id = staff_id	Foreign key constraint referencing staff_id
Address	address_id = address_id	Foreign key constraint referencing address_id

Unique keys

Key	Column	Title/name description
Primary	**store_id**	PK_store_store_id Primary key (clustered)

3.3 Payment

Columns	Data type	Description
(Primary key) payment_id	SERIAL	The id that is assign for that specific payment
customer_id	SMALLINT	The customer id that made the purchase
Staff_id	SMALLINT	The staffs that did the purchase
Rental_id	INTEGER	The id of the rental
amount	NUMERIC(5,2)	The sales amount of the rental id
payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	The date the purchase was made

Linked to

Table	Join	Title/name description
Customer	customer_id = customer_id	Foreign key constraint referencing customer_id
Rental	rental_id = rental_id	Foreign key constraint referencing rental_id
Staff	staff_id = staff_id	Foreign key constraint referencing staff_id

Key	Column	Title/name description
Primary	**payment_id**	PK_payment_payment_id Primary key (clustered)

3.4 Film category

Columns	Data type	Description
(Composite key) film_id	SMALLINT	The unique id for the particular film
(Composite key) category_id	SMALLINT	The category_id of the film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Film	film_id = film_id	Foreign key constraint referencing film_id
Category	category_id= category_id	Foreign key constraint referencing category_id

Unique keys

Key	Column	Title/name description
Composite	**film_id**	CK_film_category_film_id unique non clustered index
Composite	**category_id**	CK_film_category_id unique non clustered index

Dimension Table

3.5 Customer

Columns	Data type	Description
(Primary key) Customer ID	SERIAL	The customer identity that are unique for every individual
Store_id	SMALLINT	The Store number that is unique to every store
first_name	CHARACTER VARYING(45)	The first name of the customer
last_name	CHARACTER VARYING(45)	The last name of the customer
email	CHARACTER VARYING(50)	The customer email
address_id	SMALLINT	The address of the customer
Activebool	BOOLEAN	Whether the account is still active
create_date	DATE	The date that this customer data is created

Columns	Data type	Description
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated
active	INTEGER	The record that is currently active

Linked to

Table	Join	Title/name description
Address	address_id = address_id	Foreign key constraint referencing address_id

Linked from

Table	Join	Title/name description
Payment	customer_id = customer_id	Foreign key constraint referencing customer_id
Rental	customer_id = customer_id	Foreign key constraint referencing customer_id

Unique keys

Key	Column	Title/name description
Primary	**Customer_Id**	PK_customer_customer_id Primary key (clustered) constraint

3.6 Rental

Columns	Data type	Description
(Primary key) rental_id	SERIAL	The rental number that is unique to the particular purchase
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	The date the item was rent
inventory_id	INTEGER	The inventory unique id that the movie was taken.
customer_id	SMALLINT	The customer identity that are unique to a particular individual
return_date	TIMESTAMP(6) WITHOUT TIMEZONE	The date the item was return
staff_id	SMALLINT	Staff that assist the purchased
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Inventory	inventory_id = inventory_id	Foreign key constraint referencing inventory_id
Customer	customer_id = customer_id	Foreign key constraint referencing customer_id
Staff	staff_id = staff_id	Foreign key constraint referencing staff_id

Linked from

Table	Join	Title/name description
Payment	rental_id = rental_id	Foreign key constraint referencing rental_id

Unique keys

Key	Column	Title/name description
Primary	**rental_id**	PK_rental_rental_id Primary key (clustered)

3.7 Category

Columns	Data type	Description
(primary key) category_id	SERIAL	The unique id for the particular category
name	CHARACTERVARYING (25)	The name of the category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked from

Table	Join	Title/name description
Film_category	category_id = category_id	Foreign key constraint referencing category_id

Unique keys

Key	Column	Title/name description
Primary	**category_id**	PK_category_category_id Primary key (clustered)

3.8 Inventory

Columns	Data type	Description
(primary key) inventory_id	SERIAL	The inventory unique id that the movie was taken
film_id	SMALLINT	The unique id for the particular film
store_id	SMALLINT	The store number that is unique to every store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Film	film_id = film_id	Foreign key constraint referencing film_id

Linked from

Table	Join	Title/name description
Rental	inventory_id = inventory_id	Foreign key constraint referencing rental_id

Unique keys

Key	Column	Title/name description
Primary	**inventory_id**	PK_inventory_inventory_id Primary key (clustered) constraint

3.9 Film

Columns	Data type	Description
(primary key) film_id	SERIAL	The unique id for the particular film
title	CHARACTER VARYING(255)	The title fo the movie
description	TEXT	The description of the movie
Release_year	year	The release of the movie year
language_id	SMALLINT	The language id that is unique to each language
rental_duration	SMALLINT	The duration of the rent
rental_rate	NUMERIC(4,2)	The cost of the rental
length	SMALLINT	The movie length duration
replacement_cost	NUMERIC(5,2)	The replacement cost if the movie is broken
rating	mpaa-rating	the rating of the film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Columns	Data type	Description
special_features	TEXT[]	Any kind of special features in this film
fulltext	TVSECTOR	The subtitle of the text

Linked to

Table	Join	Title/name description
Language	language_id = language_id	Foreign key constraint referencing language_id

Linked from

Table	Join	Title/name description
Inventory	film_id = film_id	Foreign key constraint referencing film_id
Film_actor	film_id = film_id	Foreign key constraint referencing film_id
Film_category	film_id = film_id	Foreign key constraint referencing film_id

Unique keys

Key	Column	Title/name description
Primary	**film_id**	PK_film_film_id Primary key (clustered)

3.10 Language

Columns	Data type	Description
(primary key) **language_id**	SERIAL	The language id for the particular language
name	CHARACTER(20)	The name of the movie
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked from

Table	Join	Title/name description
Film	language_id = language = id	Foreign key constraint referencing film_id

Unique keys

Key	Column	Title/name description
Primary	**language_id**	PK_language_language_id Primary key (clustered)

3.11 Film actor

Columns	Data type	Description
(Composite key) **actor_id**	SMALLINT	Unique id for the actor
(Composite key) **film_id**	SMALLINT	The unique id for the particular film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Actor	actor_id = actor_id	Foreign key constraint referencing actor_id
Film	film_id = film_id	Foreign key constraint referencing film_id

Unique keys

Key	Column	Title/name description
Composite	**actor_id**	CK_film_actor _actor_id Unique non clustered index
Composite	**film_id**	CK_film_actor_film_id Unique non clustered index

3.12 Staff

Columns	Data type	Description
(primary key) staff_id	SERIAL	The unique id for the particular staff
title	CHARACTER VARYING(255)	The job title of the staff
first_name	CHARACTER VARYING(45)	The first name of the staff
last_name	CHARACTER VARYING(45)	The last name of the staff

Columns	Data type	Description
address_id	SMALLINT	The address id of the staff
email	CHARACTER VARYING(45)	The email of the staff
Store_id	SMALLINT	The unique id for each store that the staff is working at
active	SMALLINT	Whether the account is still active
username	NUMERIC(5,2)	The user name of the staff
password	CHARACTER VARYING(45)	The password of the staff
last_update	CHARACTER VARYING(45)	The last time the record is updated
picture	BYTEA	The picture of the staff

Linked to

Table	Join	Title/name description
Address	address_id = address_id	Foreign key constraint referencing address_id

Linked from

Table	Join	Title/name description
Store	manager_staff_id = staff_id	Foreign key constraint referencing staff_id
Payment	staff_id = staff_id	Foreign key constraint referencing staff_id

Table	Join	Title/name description
Rental	staff_id = staff_id	Foreign key constraint referencing staff_id

Unique keys

Key	Column	Title/name description
Primary	**staff_id**	PK_staff_staff_id Primary key (clustered)

3.13 Address

Columns	Data type	Description
(primary key) **address_id**	SERIAL	The id that are specific to a particular address
address	CHARACTER VARYING(45)	Address details 1
address2	CHARACTER VARYING(45)	Address details 2
district	CHARACTER VARYING(45)	The name of the district
city_id	SMALLINT	The city ID that is unique to each city
postal_code	CHARACTER VARYING(45)	The postal code of the city
phone	CHARACTER VARYING(45)	The phone number of this address

Columns	Data type	Description
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
City	city_id = city_id	Foreign key constraint referencing city_id

Linked from

Table	Join	Title/name description
Staff	address_id = address_id	Foreign key constraint referencing staff_id
Store	address_id = address_id	Foreign key constraint referencing staff_id
Customer	address_id = address_id	Foreign key constraint referencing staff_id

Unique keys

Key	Column	Title/name description
Primary	**address_id**	PK_address_addres_id Primary key (clustered) constraint

3.14 City

Columns	Data type	Description
(primary key) city_id	SERIAL	The city ID that is unique to each city
city	CHARACTER VARYING(45)	The name of the city
country_id	SMALLINT	The country ID that is unique to each country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked to

Table	Join	Title/name description
Country	country_id = country_id	Foreign key constraint referencing country_id

Linked from

Table	Join	Title/name description
Address	city_id = city_id	Foreign key constraint referencing city_id

Unique keys

Key	Column	Title/name description
Primary	city_id	PK_city_city_id Primary key (clustered)

3.15 Country

Columns	Data type	Description
(primary key) **country_id**	SERIAL	The country ID that is unique to each country
country	CHARACTER VARYING(45)	The name of the country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the record is updated

Linked from

Table	Join	Title/name description
City	city_id = city_id	Foreign key constraint referencing city_id

Unique keys

Key	Column	Title/name description
Primary	**country_id**	PK_country_country_id Primary key (clustered)