ROCKBUSTER STEALTH

Data Dictionary

May 2023

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Legend

K - Key
FK -Forgien Key

4. Schema

2. Fact Tables

2.1 Payment

Key	Columns	Data Type	Description
K	payment_id	Serial	Unique payment identifier
FK	customer_id	smallint	Unique customer identifier
FK	staff_id	smallint	Unique staff identifier
FK	rental_id	Integer	Unique rental identifier
	amount	Numeric(5, 2)	Payment amount
	payment_date	Timestamp(6) WITHOUT TIME ZONE	Date of payment

Links To

Table	Join	Name/Description
rental	payment.rental_id = rental.rental_id	rental_id - Unique rental identifier
staff	payment.staff_id = staff.staff_id	staff_id - Unique customer identifier
customer	payment.customer_id = customer.customer_id	customer_id - unique customer identifier

2.2 Rental

Key	Columns	Data Type	Description
K	rental_id	Integer	Unique rental identifier
	rental_date	Timestamp(6) WITHOUT TIME ZONE	Date of rental
FK	inventory_id	Integer	Unique inventory identifier
FK	customer_id	smallint	Unique customer identifier
	return_date	Timestamp(6) WITHOUT TIME ZONE	Date of return
FK	staff_id	smallint	Unique staff identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links To

Table	Join	Name/Description
inventory	rental.inventory_id = inventory.inventory_id	inventory_id - Unique rental identifier

staff	rental.staff_id = staff.staff_id	staff_id - Unique customer identifier
customer	rental.customer_id = customer.customer_id	customer_id - unique customer identifier

Links From

Table	Join	Name Description
payment	payment.rental_id = rental.rental_id	rental_id - Unique rental identifier

3. Dimension Tables

3.1 Store

Key	Columns	Data Type	Description
K	store_id	Serial	Unique store identifier
FK	manager_staff_id	smallint	Unique manager identifier
FK	address_id	smallint	Unique address identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links To

Table	Join	Name/Description
staff	store.store_id = staff.store_id	store_id - Unique store identifier
address	store.address_id = address.address_id	address_id - Unique address identifier

3.2 Film_actor

Key	Columns	Data Type	Description
K/FK	actor_id	smallint	Unique actor identifier
K/FK	film_id	smallint	Unique film identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links To

Table	Join	Name/Description
actor	Film_actor.actor_id = actor.actor_id	actor_id - Unique actor identifier
film	Film_actor.film_id = film.film_id	film_id - Unique film identifier

3.3 Inventory

Key	Columns	Data Type	Description
K	inventory_id	serial	Unique inventory identifier
FK	film_id	smallint	Unique film identifier
	store_id	Serial	Unique store identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name Description
rental	rental.iventory_id = inventory.inventory_id	inventory_id - Unique inventory identifier

Links To

Table	Join	Name/Description
film	inventory.film_id = film.film_id	film_id - Unique film identifier

3.4 Film_category

Key	Columns	Data Type	Description
K	film_id	smallint	Unique film identifier
K	category_id	smallint	Unique category identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links To

Table	Join	Name/Description
category	Film_category.category_id = category.category_id	category_id - Unique category identifier

3.5 Customer

Key	Columns	Data Type	Description
*	customer_id	smallint	Unique customer identifier
	store_id	Serial	Unique store identifier
	first_name	Character varying(45)	Customer first name
	last_name	Character varying(45)	Customer last name
	email	Character varying(45)	Customer email
	address_id	smallint	Unique address identifier
	activebool	Boolean	Is the account active or not
	create_date	date	Date the account was created
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update
	active	Integer	Is the account active or not (0/1)

Links From

Table	Join	Name Description
payment	payment.customer_id = customer.customer_id	customer_id - Unique customer identifier
rental	rental.customer_id = customer.customer_id	customer_id - Unique customer identifier

Links To

Table	Join	Name/Description
address	customer.address_id = address.address_id	address_id - Unique address identifier

3.6 Staff

Key	Columns	Data Type	Description
K	staff_id	smallint	Unique staff identifier
	first_name	Character varying(45)	staff first name

Key	Columns	Data Type	Description
	last_name	Character varying(45)	staff last name
FK	address_id	smallint	Unique address identifier
	email	Character varying(45)	staff email
	store_id	Serial	Unique store identifier
	active	boolean	Is the account active or not
	username	Character varying(45)	Staff account username
	password	Character varying(45)	Staff account password
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update
	picture	Bytea	Picture of the staff member

Links From

Table	Join	Name Description
payment	payment.staff_id = staff.staff_id	staff_id - Unique customer identifier
rental	rental.staff_id = staff.staff_id	staff_id - Unique customer identifier
store	store.store_id = staff.store_id	store_id - Unique store identifier

Links To

Table	Join	Name/Description
address	staff.address_id = address.address_id	address_id - Unique address identifier

3.7 Actor

Key	Columns	Data Type	Description
K	actor_id	serial	Unique actor identifier
	first_name	Character varying(45)	actor first name
	last_name	Character varying(45)	actor last name
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
film_actor	Film_actor.actor_id = actor.actor_id	actor_id - Unique actor identifier

3.8 Film

Key	Columns	Data Type	Description
K	film_id	serial	Unique film identifier
	title	Character varying(225)	Title of film
	description	text	Description of the film
	Release_year	year	Year the film was released
FK	Language_id	smallint	Unique language identifier
	rental_duration	Smallint	Length of rental period
	Rental_rate	Numeric(4,2)	Cost of rental
	Length	Smallint	Length of film
	Replace_cost	Numeric(5,2)	Cost to replace film
	Rating	Mpaa_rating	Film rating
	last_update	Timestamp(6) WITHOUT TIME ZONE	Rating
	Special_features	Text[]	Special features of film
	Fulltext	Tsvector	Full text index

Links From

Table	Join	Name/Description
film_actor	Film_actor.film_id = film.film_id	film_id - Unique film identifier
inventory	inventory.film_id = film.film_id	film_id - Unique film identifier
film_category	Film_category.film_id = film.film_id	film_id - Unique film identifier

Links To

Table	Join	Name/Description
language	film.language _id = language.language_id	language_id - Unique language identifier

3.9 Category

Key	Columns	Data Type	Description
K	Category_id	serial	Unique category identifier

	name	Character varying(25)	Name of category
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
Film_category	Film_category.category_id = category.category_id	category_id - Unique category identifier

3.10 Address

Key	Columns	Data Type	Description
K	address_id	serial	Unique address identifier
	address	Character varying(50)	Address line 1
	Address2	Character varying(50)	Address line 2
	district	Character varying(20)	Address district
FK	City_id	Smallint	Unique city identifier
	Postal_code	Character varying(10)	Address postal code
	Phone	Character varying(20)	Phone number
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
staff	staff.address_id = address.address_id	address_id - Unique address identifier
customer	customer.address_id = address.address_id	address_id - Unique address identifier
store	store.address_id = address.address_id	address_id - Unique address identifier

Links To

Table	Join	Name/Description
city	address.city_id = city.city_id	city_id - Unique address identifier

3.11 Language

Key	Columns	Data Type	Description

Key	Columns	Data Type	Description
*	language_id	serial	Unique language identifier
	name	Character(20)	Name of language
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
film	film.language _id = language.language_id	language_id - Unique language identifier

3.12 City

Key	Columns	Data Type	Description
*	City_id	Serial	Unique city identifier
	City	Character varying(50)	Name of city
	Country_id	smallint	Unique country identifier
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
address	address.city_id = city.city_id	city_id - Unique address identifier

Links To

Table	Join	Name/Description
country	city.country_id = country.country_id	country_id - Unique country identifier

3.13 Country

Key	Columns	Data Type	Description
*	Country_id	serial	Unique country identifier
	country	Character varying(50)	Name of country
	last_update	Timestamp(6) WITHOUT TIME ZONE	Date of last update

Links From

Table	Join	Name/Description
country	city.country_id = country.country_id	country_id - Unique country identifier