



Rockbuster Stealth LLC Data Dictionary

08.10.2024

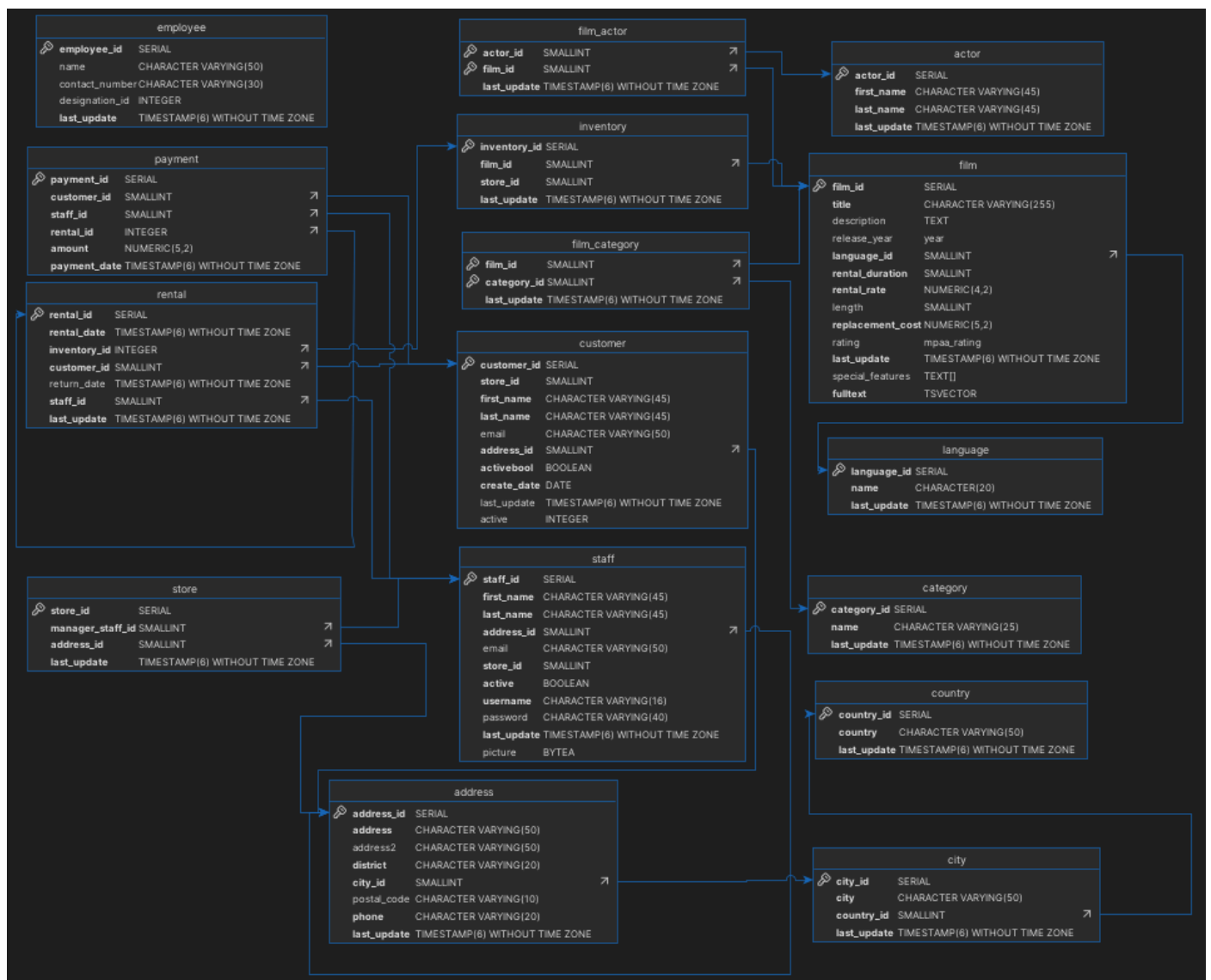


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Entity Relationship Diagram: (Type: Snowflake)

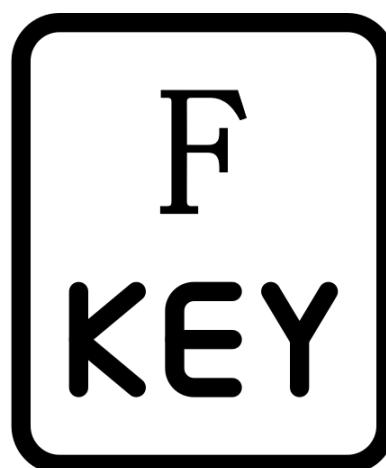


The fact table is “payment” and it’s surrounded by dimension tables and subdimension tables, which makes this ERD a snowflake schema.

Legend:

Primary Key

Foreign Key



Fact Tables:

Payment:

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KEY

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KEY

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KEY

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KEY

Column	Data Type	Description
payment_id	SERIAL	unique identifier for invoice
customer_id	SMALLINT	unique identifier for customer
staff_id	SMALLINT	unique identifier for invoice responsible staff
rental_id	INTEGER	unique identifier for rentals
amount	NUMERIC(5,2)	amount for sale
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	confirmation date & time for sale

Rental:

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KEY

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KEY

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KEY

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KEY

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KEY

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KEY

Column	Data Type	Description
rental_id	SERIAL	unique identifier for rentals
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date & time unit was booked/rented
inventory_id	INTEGER	unique inventory identifier for units
customer_id	SMALLINT	unique identifier for customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date & time unit was returned
staff_id	SMALLINT	unique identifier for invoice responsible staff

Dimension Tables:

film_actor

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KEY

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KEY

P
KEY

F
KEY

Column	Data Type	Description
actor_id	SMALLINT	unique identifier for actor
film_id	SMALLINT	unique identifier for film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

inventory

P
KEY

F
KEY

F
KEY

Column	Data Type	Description
inventory_id	SERIAL	unique inventory identifier for units
film_id	SMALLINT	unique identifier for film
store_id	SMALLINT	unique identifier for store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

film_category

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KEY

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KEY

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KEY

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KEY

Column	Data Type	Description
film_id	SMALLINT	unique identifier for film
category_id	SMALLINT	unique identifier for category of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

customer

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KEY

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KEY

Column	Data Type	Description
customer_id	SERIAL	unique identifier for customer
store_id	SMALLINT	unique identifier for store
first_name	CHARACTER VARYING(45)	customer first name

F KEY	last_name	CHARACTER VARYING(45)	customer last name
	email	CHARACTER VARYING(50)	customer email
	address_id	SMALLINT	unique identifier for customer address
	activebool	BOOLEAN	costumer active or not
	create_date	DATE	date customer was added
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update
	active	INTEGER	active or not

staff

P KEY	Column	Data Type	Description
	staff_id	SERIAL	unique identifier for invoice responsible staff
	first_name	CHARACTER VARYING(45)	customer first name
	last_name	CHARACTER VARYING(45)	customer last name
	address_id	SMALLINT	unique identifier for customer address
	email	CHARACTER VARYING(50)	customer email
	store_id	SMALLINT	unique identifier for store
	active	BOOLEAN	active or not
	username	CHARACTER VARYING(50)	staff username
	password	CHARACTER VARYING(40)	staff password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update
	picture	BYTEA	staff picture

actor

P KEY	Column	Data Type	Description
	actor_id	SERIAL	unique identifier for actor
	first_name	CHARACTER VARYING(45)	actor first name
	last_name	CHARACTER VARYING(45)	actor last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

film

P KEY	Column	Data Type	Description
	film_id	SERIAL	unique identifier for film
	title	CHARACTER VARYING(255)	title for film
	description	TEXT	description for film
	release_year	year	year film was released
	language_id	SMALLINT	unique identifier for language
	rental_duration	SMALLINT	amount of days film was rented
	rental_rate	NUMERIC(4,2)	rentalcost per day
	length	SMALLINT	filmlength
	replacement_cost	NUMERIC(5,2)	replacementcost for film
	rating	mpaa_rating	age restriction categories
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update
	special_features	TEXT[]	special features for film
	fulltext	TVSECTOR	text for film

category

P
KEY

Column	Data Type	Description
category_id	SERIAL	unique identifier for categories
name	CHARACTER VARYING(25)	category name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

language

P
KEY

Column	Data Type	Description
language_id	SERIAL	unique identifier for language
name	CHARACTER VARYING(20)	language name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

address

P
KEY

F
KEY

Column	Data Type	Description
address_id	SERIAL	unique identifier for address
address	CHARACTER VARYING(50)	address details
address2	CHARACTER VARYING(50)	additional address details
district	CHARACTER VARYING(20)	district name
city_id	SMALLINT	unique identifier for city
postal_code	CHARACTER VARYING(10)	postal code details
phone	CHARACTER VARYING(20)	phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

city

P
KEY

F
KEY

Column	Data Type	Description
city_id	SERIAL	unique identifier for city
city	CHARACTER VARYING(50)	city name
country_id	SMALLINT	unique identifier for country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

country

P
KEY

Column	Data Type	Description
country_id	SMALLINT	unique identifier for country
country	CHARACTER VARYING(50)	country name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update

store

P
KEY

F
KEY

F
KEY

Column	Data Type	Description
store_id	INTEGER	unique identifier for store
manager_staff_id	SMALLINT	unique Identifier for staff manager
address_id	SMALLINT	unique Identifier for address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date & time for last change/update