



Rockbuster Stealth

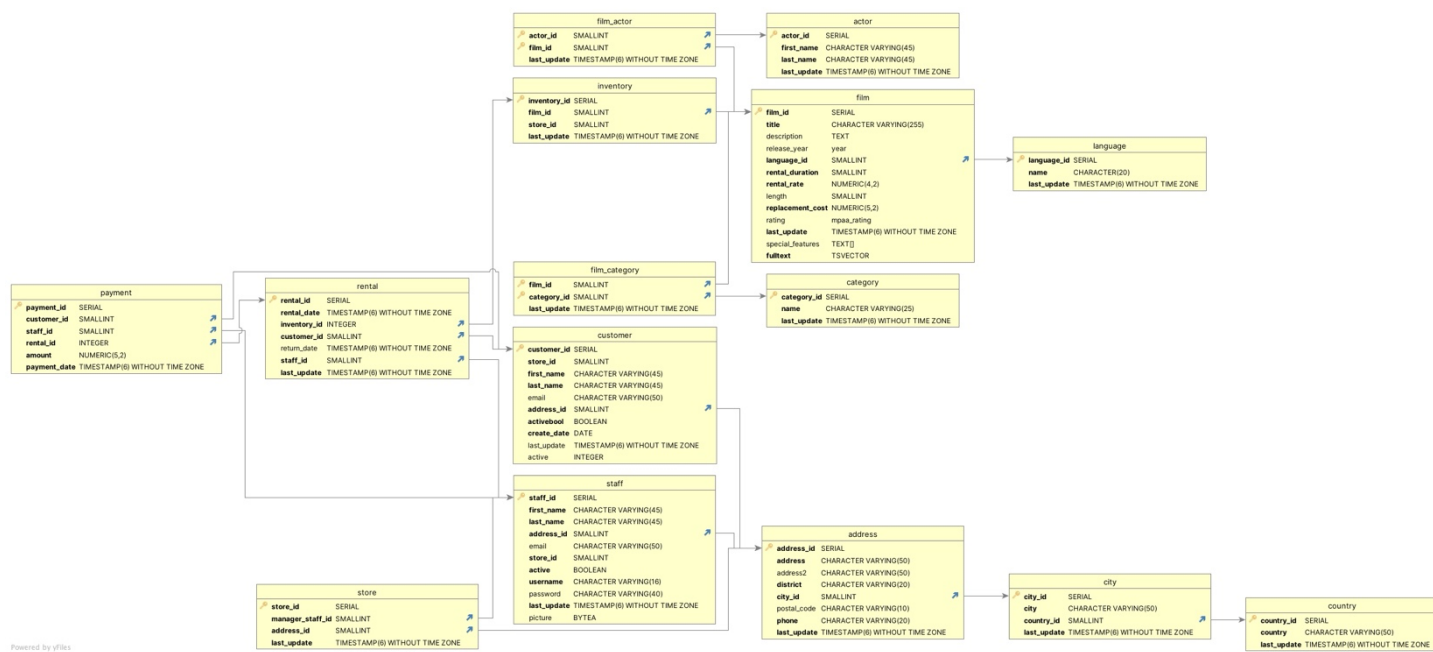
Data Dictionary

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Entity Relationship Diagram (ERD)



PK = Primary Key
FK = Foreign Key

Fact Tables

Name of Table		Columns	Data Type	Description
Payment	PK	Payment_id	SERIAL	ID number of payment
	FK	Customer_id	SMALLINT	ID number of customer
	FK	Staff_id	SMALLINT	ID number of staff
	FK	Rental_id	INTEGER	ID number for rental
		Amount	NUMERIC (5,2)	Price of rental
		Payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date payment of rental was made

Links to:

Name of Table	Join
Customer	Payment.customer_id = customer.customer_id
Staff	Payment.staff_id = staff.staff_id
Rental	Payment.rental_id = rental.rental_id

Links from:

N/A

Name of Table		Columns	Data Type	Description
Rental	PK	Rental_id	SERIAL	ID number of rental
		Rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date item was rented
	FK	Inventory_id	INTEGER	ID number of inventory
	FK	Customer_id	SMALLINT	ID number of customer
		Return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date item was returned
	FK	Staff_id	SMALLINT	ID number of staff
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Inventory	Rental.inventory_id = inventory.inventory_id
Customer	Rental.customer_id = customer.customer_id
Staff	Rental.staff_id = staff.staff_id

Links from:

Name of Table	Join
Payment	Payment.rental_id = rental.rental_id

Dimension Tables

Name of Table		Columns	Data Type	Description
Inventory	PK	Inventory_id	SERIAL	ID number of inventory
	FK	Film_id	SMALLINT	ID number of film
		Store_id	SMALLINT	ID number of store
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Film	Inventory.film_id = film.film_id

Links from:

Name of Table	Join
Rental	Rental.inventory_id = inventory.inventory_id

Name of Table		Columns	Data Type	Description
Film_category	PK	Film_id	SMALLINT	ID number of film
	PK	Category_id	SMALLINT	ID number of category
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Film	Film_category.film_id = film.film_id
Category	Film_category.category_id = category.category_id

Links from:

N/A

Name of Table		Columns	Data Type	Description
Customer	PK	Customer_id	SERIAL	ID number of customer
	FK	Store_id	SMALLINT	ID number of store
		First_name	CHARACTER VARYING (45)	Customer first name
		Last_name	CHARACTER VARYING (45)	Customer last name
		Email	CHARACTER VARYING (50)	Customer email
	FK	Address_id	SMALLINT	ID number of customer address
		Activebool	BOOLEAN	Whether customer is active
		Create_date	DATE	Date customer was created
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Address	Customer.address_id = address.address_id

Links from:

Name of Table	Join
Rental	Rental.customer_id = customer.customer_id
Payment	Payment.customer_id = customer.customer_id

Name of Table		Columns	Data Type	Description
Film	PK	Film_id	SERIAL	ID number of film
		Title	CHARACTER VARYING (255)	Title of film
		Description	TEXT	Description of film
		Release_year	Year	Year film was released
	FK	Language_id	SMALLINT	ID number of language
		Rental_duration	SMALLINT	How long film rented
		Rental_rate	NUMERIC (4,2)	Cost of film rental
		Length	SMALLINT	Length of film
		Replacement_cost	NUMERIC (5,2)	Cost to replace film
		Rating	Mpaa_rating	Film rating
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Language	Film.language_id = language.language_id

Links From:

Name of Table	Join
Film_actor	Film_actor.film_id = film.film_id
Inventory	Inventory.film_id = film.film_id
Film_category	Film_category.film_id = film.film_id

Name of Table		Columns	Data Type	Description
Category	PK	Category_id	SERIAL	ID number of category
		Name	CHARACTER VARYING (25)	Name of category
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

N/A

Links from:

Name of Table	Join
Film_category	Film_category.category_id = category.category_id

Name of Table		Columns	Data Type	Description
Address	PK	Address_id	SERIAL	ID number of address
		Address	CHARACTER VARYING (50)	Street address
		Address2	CHARACTER VARYING (50)	Apt, lot, or unit number
		District	CHARACTER VARYING (20)	Name of district
	FK	City_id	SMALLINT	ID number of city
		Postal_code	CHARACTER VARYING (10)	Postal code of address
		Phone	CHARACTER VARYING (20)	Phone number
		Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Time of last table update

Links to:

Name of Table	Join
City	Address.city_id = city.city_id

Links from:

Name of Table	Join
Customer	Customer.address_id = address.address_id
Staff	Staff.address_id = address.address_id
Store	Store.address_id = address.address_id

Name of Table		Columns	Data Type	Description
City	PK	City_id	SERIAL	ID number of city
		City	CHARACTER VARYING (50)	Name of city
	FK	Country_id	SMALLINT	ID number of country
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

Name of Table	Join
Country	City.country_id = country.country_id

Links from:

Name of Table	Join
Address	Address.city_id = city.city_id

Name of Table		Columns	Data Type	Description
Country	PK	Country_id	SERIAL	ID number of country
		Country	CHARACTER VARYING (50)	Name of country
		Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last table update

Links to:

N/A

Links from:

Name of Table	Join
City	City.country_id = country.country_id