

Rockbuster Stealth LLC

Data Dictionary

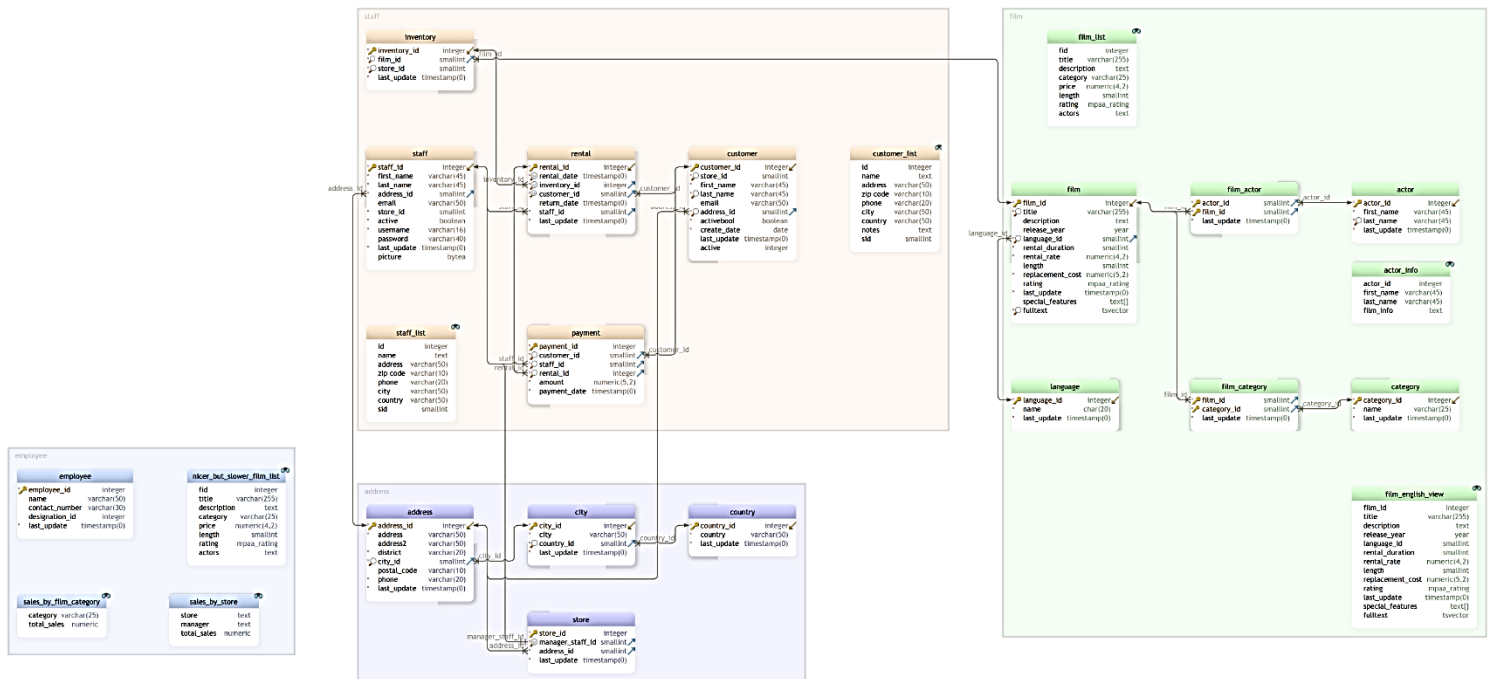
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The Rockbuster database has a snowflake schema. Fact tables have multiple dimensions that branch out to create greater detail.





Legend


Icon	Description	Use
	Primary Key	Unique field used to identify a table.
	Foreign Key	A column or set of columns whose values correspond to values of the primary key in another table.

Fact Tables




Film_actor

	COLUMNS	DATA TYPE	DESCRIPTION
	Actor_id	SMALLINT	Composite key for film_actor table.
	Film_id	SMALLINT	Composite key for film_actor table.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	A time stamp of when the table was last updated.





Film_category

	COLUMNS	DATA TYPE	DESCRIPTION
	Film_id	SMALLINT	Composite key for film_category table.
	Category_id	SMALLINT	Composite key for film_Category table.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The timestamp for when the film_category table was last updated.

Store


	COLUMNS	DATA TYPE	DESCRIPTION
	Store_id	SERIAL	Primary key for store table.
	Manager_staff_id	SMALLINT	Foreign key connecting to staff table.
	Address_id	SMALLINT	Foreign key connecting to address table.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	A time stamp indicating when the store table was last updated.

Payment



	COLUMNS	DATA TYPE	DESCRIPTION
	Payment_id	SERIAL	Primary key for payment table.
	Customer_id	SMALLINT	Foreign key for customer table.
	Staff_id	SMALLINT	Foreign key for staff table.
	Rental_id	INTEGER	Foreign key for rental table.
	Amount	NUMERIC(5,2)	The transaction total price.
	Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	The date the payment was made.

Dimension Tables



Actor

	COLUMNS	DATA TYPE	DESCRIPTION
	Actor_id	SERIAL	Primary key for actor table.
	First_name	CHARACTER VARYING(45)	The actor's first name.
	Last_name	CHARACTER VARYING(45)	The actor's last name.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the actor table was updated.



Inventory

	COLUMNS	DATA TYPE	DESCRIPTION
	Inventory_id	SERIAL	Primary key for inventory table.
	Film_id	SMALLINT	Foreign key for film table.
	Store_id	SMALLINT	Foreign key for store table.
	Last_update	TIMESTAMP(6) WIHTOUT TIMEZONE	The last time the inventory table was updated.





Customer

	COLUMNS	DATA TYPE	DESCRIPTION
	Customer_id	Serial	Primary key for customer table.
	Store_id	SMALLINT	Foreign key for store table.
	First_name	CHARACTER VARYING(45)	Customer's first name.
	Last_name	CHARACTER VARYING(45)	Customer's last name.
	email	CHARACTER VARYING(50)	Customer's email address.
	Address_id	SMALLINT	Foreign key for address table.
	Activebool	BOOLEAN	A true/false indicator of the customer's status.
	Create_date	DATE	The date a customer was created.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	A time marking when the customer last updated their information.
	Active	INTEGER	A whole number that tells if a customer is active or not.



Staff

	COLUMNS	DATA TYPE	DESCRIPTION
	Staff_id	SERIAL	Primary key for staff table.
	First_name	CHARACTER VARYING(45)	The staff member's first name.
	Last_name	CHARACTER VARYING(45)	The staff member's last name.
	Address_id	SMALLINT	Foreign key for address table.
	Email	CHARACTER VARYING(50)	The staff member's email address.
	Store_id	SMALLINT	Foreign key for store table.
	Active	BOOLEAN	A true or false answer telling if a staff member is active or not.
	Username	CHARACTER VARYING(16)	The staff member's username that they login with.
	Password	CHARACTER VARYING(40)	The password each staff member uses when logging in.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	A time stamp for when the staff member's profile was last updated.
	Picture	BYTEA	A photo of the staff member.


Rental

	COLUMNS	DATA TYPE	DESCRIPTION
	Rental_id	SERIAL	Primary key for rental table.
	Rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	The time/date when each film was rented.
	Inventory_id	INTEGER	Foreign key for inventory table.
	Customer_id	SMALLINT	Foreign key for customer table.
	Return_date	TIMESTAMP(6) WITHOUT TIMEZONE	The date/time each film was returned to the store.
	Staff_id	SMALLINT	Foreign key for staff table.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the rental table was updated.


Film

	COLUMNS	DATA TYPE	DESCRIPTION
	Film_id	SERIAL	Primary key for film table.
	Title	CHARACTER VARYING(255)	The written title of each film.
	Description	TEXT	The description of each film.
	Release_year	YEAR	The year each film was released.
	Language_id	SMALLINT	Foreign key for language table.
	Rental_duration	SMALLINT	The number of days each rental lasted.
	Rental_rate	NUMERIC(4,2)	The cost to rent each film.
	Length	SMALLINT	The length of each movie.
	Replacement_cost	NUMERIC(5,2)	The price it would cost to replace each film if they were not returned.
	Rating	Mpaa_rating	The rating for each film.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the film table was updated.
	Special_features	TEXT[]	Extra information associated with each film.
	Fulltext	TSVECTOR	A list of keywords associated with each film.



Category

	COLUMN	DATA TYPE	DESCRIPTION
	Category_id	SERIAL	Primary key for category table.
	Name	CHARACTER VARYING(25)	The full name of each film category.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the category information was updated.



Language

	COLUMNS	DATA TYPE	DESCRIPTION
	Language_id	SERIAL	Primary key for language table.
	Name	CHARACTER(20)	The written name for each language.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the language information was updated.


Address

	COLUMN	DATA TYPE	DESCRIPTION
	Address_id	SERIAL	Primary key for address table.
	Address	CHARACTER VARYING(50)	First street address line.
	Address2	CHARACTER VARYING(50)	Second street address line.
	District	CHARACTER VARYING(50)	The district that each address is associated with.
	City_id	SMALLINT	Foreign key for city table.
	Postal_code	CHARACTER VARYING(10)	The zipcode associated with each address.
	Phone	CHARACTER VARYING(20)	The phone number to contact each address.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time each address was updated.

City

	COLUMN	DATA TYPE	DESCRIPTION
	City_id	SERIAL	Primary key for city table.
	City	CHARACTER VARYING(50)	Name of the city.
	Country_id	SMALLINT	Foreign key for country table.
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the city information was updated.

Country

	COLUMN	DATA TYPE	DESCRIPTION
	Country_id	SERIAL	Primary key for country table.
	Country	CHARACTER VARYING(50)	The written name of each country
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	The last time the country information was updated.