



Data Dictionary

ROCKBUSTERN STEALTH LLC

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
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The ER diagram illustrates the database schema for the Sakila database. It consists of several tables and their associated fields:

- country**: PK country_id (integer), country (character varying(50)), last_update (timestamp without time zone).
- city**: PK city_id (integer), city (character varying(50)), FK country_id (smallint), last_update (timestamp without time zone).
- address**: FK address_id (integer), address (character varying(50)), address2 (character varying(50)), district (character varying(20)), FK city_id (smallint), postal_code (character varying(10)), phone (character varying(20)), last_update (timestamp without time zone).
- staff**: PK staff_id (integer), first_name (character varying(45)), last_name (character varying(45)), FK address_id (smallint), email (character varying(50)), store_id (smallint), active (boolean), username (character varying(16)), password (character varying(40)), last_update (timestamp without time zone), picture (bytea).
- customer**: PK customer_id (integer), store_id (smallint), first_name (character varying(45)), last_name (character varying(45)), email (character varying(50)), FK address_id (smallint), activebool (boolean), create_date (date), last_update (timestamp without time zone), active (integer).
- payment**: PK payment_id (integer), FK customer_id (smallint), FK staff_id (smallint), FK rental_id (integer), amount (numeric), payment_date (timestamp without time zone).
- rental**: PK rental_id (integer), rental_date (timestamp without time zone), FK inventory_id (integer), FK customer_id (smallint), return_date (timestamp without time zone), FK staff_id (smallint), last_update (timestamp without time zone).
- inventory**: PK inventory_id (integer), FK film_id (smallint), store_id (smallint), last_update (timestamp without time zone).
- film**: PK film_id (integer), title (character varying(255)), description (text), release_year (integer), FK language_id (smallint), rental_duration (smallint), rental_rate (numeric), length (smallint), replacement_cost (numeric), rating (USER DEFINED), last_update (timestamp without time zone), special_features (ARRAY), fulltext (tsvector).
- actor**: PK actor_id (integer), first_name (character varying(45)), last_name (character varying(45)), last_update (timestamp without time zone).
- film_actor**: PK,FK actor_id (smallint), PK,FK film_id (smallint), last_update (timestamp without time zone).
- category**: PK category_id (integer), name (character varying(25)), last_update (timestamp without time zone).
- film_category**: PK,FK film_id (smallint), PK,FK category_id (smallint), last_update (timestamp without time zone).
- language**: PK language_id (integer), name (character(20)), last_update (timestamp without time zone).





Relationships are indicated by lines connecting the tables, with crow's foot notation symbols at the ends of the lines.

TABLES

 = Primary Key
 = Foreign Key

Fact Tables

Rental

	Columns	Data Type	Description/ Attributes
	rental_id	integer	Primary Key (surrogate) id of a rental
	rental_date	timestamp without zone	Date when the units were rented
	Inventory_id	integer	Foreign Key, unique number of inventory
	customer_id	smallint	Foreign Key, unique number of customer
	return_date	timestamp without time zone	Date of returning the rented movie
	Staff_id	smallint	Foreign Key, unique number of employee
	last_update	timestamp without time zone	Date and time of the last update

Links to:

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:

Table	Join
Payment	Payment.rental_id=rental.rental_id

Payment

	Columns	Data Type	Description/Attributes
🔑	payment_id	integer	Primary Key (surrogate) id of a payment
→	customer_id	smallint	Foreign Key, unique number of a customer
→	staff_id	smallint	Foreign Key, unique number of a staff member
→	rental_id	integer	Foreign Key, unique number of a rental
	amount	numeric	Amount recorded for each payment transaction
	payment date	Timestamp without time zone	Transaction date

Links to:

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

Dimension Tables

Customer

	Columns	Data Type	Description/ Attributes
🔑	Customer_id	Integer	Primay Key(surrogate) unique id of customer
	store_id	Smallint	Unique key of the store
	First_name	Character varying(45)	First name of the customer
	last_name	Character varing (45)	Last name of the customer
	Email	Character varying (50)	Mixrd text, email address from customer
→	Address_id	Smallint	Foreing Key, address from customers
	Activebool	Boolean	Active true or false
	Create_date	Date	Date of creation

	Last_update	Timestamp without time zone	Date and time of the last update
	active	integer	If the account is active



Links to:

Table	Join
Address	Customer.address.id=address.address_id

Links from:

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

Staff

	Columns	Data Type	Description/ Attributes
	Staff_id	Integer	Primary Key(surrogate),unique Id for each staff record
	First_name	Character varying(45)	First name of staff member
	Last_name	Character varying(45)	Last name of staff member
	Address_id	Smallint	Foreign Key,unique number address of staff member
	Email	Character varying(45)	Mixed text, email address from staff member
	Store_id	Smallint	Unique Key (no foreign according to schema) num. of stores
	Active	Boolean	If staff member account active
	Username	Character varying(45)	Online username of staff member
	Active	Boolean	If staff member account active
	Last_update	Timestamp without time zone	Date and time of last update
	Picture	bytea	Photo of staff member

Links to:


Table	Join
Address	Staff.address_id=address.address_id

Links from:

Table	Join
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Rental	Rental.staff_id=staff.staff_id
Payment	Payment.staff_id=staff.staff_id


Store

	Columns	Data Type	Description/ Attributes
	Store_id	integre	Primary Key(surrogate)unique id for store
→	Manager_staff_id	smallint	Foreign Key , unique id of the staff manager
→	Address_id	smallint	Foreign Key, unique id of store addresas
	Last_update	Timestamp without time zone	Date and time of last update

Links to:

Table	Join
Address	Store.address_id=address.address_id

Address

	Columns	Data Type	Description / Attributes
	Address_id	Integre	Primary Key(surrogate) unique id of address
	Address	Character varying(50)	First line of address
	Address2	Character varying(50)	Second line of address (unit number)
	District	Character varying(20)	State/province/ country of given address
→	City_id		Foreign Key, unique id of the city
	Posrtal_code	Character varying(10)	Mix text, postal code deatails
	Phone	Character varying(20)	Mix number, phone number deatails
	Last_update	Timestamp without time zone	Date and time of last update



Links to:

Table	Join
City	Address.city_id=city.city_id

Links from:

Table	Join
Store	Store.address_id=address.address_id
Staff	Staff.address_id.address.address_id
Customer	Customer.address.address_address_id

City

	Columns	Data Type	Description / Attributes
	City_id	Integre	Primary Key(surrogate) unique id of city number
	City	Character Varying(50)	Name of the city
	Country_id	Smallint	Foreign Key , unique id of country
	Last update	Timestamp without time zome	Date and time of last update


Links to:

Table	Join
Country	City.country_id=country.country_id

Links from:

Table	Join
Address	Address.city_id=city.city_id

Country

	Columns	Data Type	Description/ Attributes
	Country_id	Integre	Primary Key(surrogate)unique id of the country
	Country	Character varying(50)	Name of the country
	Last_update	Timestamp without time zone	Date and time of last update

Links from:

Table	Join
City	City.country_id=country.country_id

Inventory

	Columns	Data Type	Description/ Attributes
🔑	Inventory_id	integre	Primary Key(surrogate) unique id of inventory
→	Film_id	Smallint	Foreign Key, unique id of the film
	Store_id	smallint	Unique id of the stored
	Last_update	Timestamp without the time zone	Date and time of last update

Table	Join
Film	Inventory.film_id=film.film_id

Film

	Columns	Data Type	Description/ Attributes
🔑	Film_id	Integre	Primary Key(surrogate) unique id of the film
	Title	Character varying(225)	Title of the movie
	Description	Text	Description of the movie
	Release_year	Integre	The year that movie came out
→	Language_id	Smallint	Foreign Key, unique id of the language
	Rental_duration	Smallint	Movie rental duration
	Rental_rate	Numeric	Customer movie rate
	Length	Smallint	Leigth of movie (min)
	Preplacement_cost	Numeric	Replacement cost for lost or damaged for rented movie
	Rating	USED-DEFINED	Which age group can watch movie
	Last_update	Timestamp without time zone	Date and time of last update
	Special_features	ARRAY	Special features of the movie
	fulltext	tsvectore	(cc) language


Links to:

Table	Join
Language	Film.language_id=language.language_id

Links from:

Table	Join
Film_actor	Film._actor.film_id=film.film_id


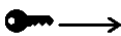
Language

	Column	Data Type	Description/ Attributes
	Language_id	integre	Primary key(surrogate) unique od of language
	Name	Character(20)	Name of language
	Last_update	Timestamp without time zone	Date and time of last update

Links from:

Table	Join
Film	Film.language_id=language.language_id


Film Category

	Column	Data Type	Description / Attributes
	Film_id	Smallint	Primary/foreign key, unique id of film
	Category_id	smallint	Primary/foreign key, unique id of category
	Last_update	Timestamp without time zone	Date and time of last update


Links to:

Table	Join
Film	Film_categoty.film_id=film.film_id
Category	Film_category.category=category.category_id

Category

	Column	Data Type	Description/ Attributes
	Category_id	integre	Primary key(surrogate) unique id of category
	Name	Character varying(25)	Name of the category
	Last_update	Timestamp without time zone	Date and time of last updated
Table		Join	
Film_Category		Film_categoty.category_id=category.category_id	

Actor

	Column	Data Type	Description/ Attributes
	Actore_id	integre	Primary key(surrogate) unique id of actore
	First_name	Character varying(45)	First name of the actore
	Last_name	Character varying(45)	Last name of the actore
	Last_update	Timestamp without time zone	Date and time of last update

Links from:

Table	Join
Film_Actor	Film_actor.actor_id=actor.actor_id

Film Actore



	Column	Data Type	Description/ Attributes
	Film_id	Smallint	Primary/foreign key, unique id of film
	Actore_id	Smallint	Primary/foreign key, unique key of actore
	Last_update	Timestamp without time zone	Date and time of last update

Table	Join
Actor	Film_actor.actor_id=actor.actor_id
Film	Film_actor.film_id=film.film_id

