

ROCKBUSTER STEALTH

Data Dictionary

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Rockbusters ERD



2. Fact Table

Pk: primary key

Fk: foreign key

2.a.

Table name	Column name	Data type	Description
Payment	Payment_id	integer	Primary key; unique payment identifier
	Customer_id	smallint	Foreign key; Unique customer identifier
	Staff_id	smallint	Foreign key; Unique staff identifier
	Rental_id	integer	Foreign key; unique rental identifier
	amount	numeric	Amount paid
	Payment_date	Timestamp without time zone	Payment date and time record

Links to

	Join
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id
rental	payment.rental_id = rental.rental_id

2.b.

Table name	Column name	Data type	description
Rental	Rental_id	Integer	Primary key; unique identifier for rental records
	Rental_date	Timestamp without time zone	Date on which rented
	Inventory_id	integer	Foreign key; unique identifier connects to inventory table
	Customer_id	smallint	Foreign key; unique identifier of customer
	Return_date	Timestamp without time zone	Date on which returned
	Staff_id	smallint	Foreign key; unique identifier for staff
	Last_update	Timestamp without time zone	Date and time when rental record was last updated

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

Linked from

Table	Join
payment	payment.rental_id = rental.rental_id

3. Dimension Tables: There are 13-dimension tables.

3.a.

Table name	Column name	Data type	description
Customer	active	Integer	Active status represented by 0 or 1
	Store_id	smallint	Fk; Unique identifier for store
	Create_date	date	Date on which customer profile was created
	Last_update	Timestamp without time zone	Date on which last update was done
	Customer_id	integer	Pk; Unique identifier for customer
	Address_id	smallint	Fk; Unique identifier for address
	activebool	boolean	Whether customer is active or not
	First_name	Character varying	First name of the customer
	Last_name	Character varying	Last name of the customer
	email	Character varying	Email id of the cutomer

Links to

Table	Join
address	customer.address_id = address.address_id

Linked from

Table	Join
rental	rental.customer_id = customer.customer_id

3.b.

Table name	Column name	Data type	description
Staff	picture	bytea	Picture of the staff member
	Address_id	smallint	Address of the staff member
	Store_id	smallint	Fk; unique identifier of the store
	active	boolean	Whether staff member is active or not
	Last_update	Timestamp without time zone	Date and time of laast update of profile
	staff_id	integer	Pk; Unique identifier of the staff member
	First_name	Character varying	First name of the staff member
	Last_name	Character varying	Last name of the staff member
	password	Character varying	Staff member's password
	email	Character varying	Staff member's mail id
	username	Character varying	Staff member's user name

Links to

Table	Join
address	staff.address_id = address.address_id

Linked from

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.manager_staff_id = staff.staff_id

3.c.

Table name	Column name	Data type	description
Store	Store_id	smallint	Pk; Unique identifier of the store
	Manage_staff_id	smallint	Fk; Unique identifier of the manager of the store
	Address_id	smallint	Fk; Unique identifier of the store's address
	Last_update	Timestamp without time zone	Data and time of last update

Links to

Table	Join
staff	store.manager_staff_id = staff.staff_id
address	store.address_id = address.address_id

3.d.

Table name	Column name	Data type	description
Film_actor	Actor_id	smallint	Pk; Unique identifier of the actor
	Film_id	smallint	Fk; Unique identifier of the film
	Last_update	Timestamp without time zone	Data and time of last update

Links to

Table	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

3.e.

Table name	Column name	Data type	description
inventory	Inventory_id	integer	Pk; Unique identifier of inventory
	Film_id	smallint	Fk; Unique identifier of film
	Store_id	smallint	Fk; Unique identifier of store
	Last_update	Timestamp without time zone	Data and time of last update

Links to

Table	Join
film	inventory.film_id = film.film_id

Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

3.f.

Table name	Column name	Data type	description
film_category	film_id	smallint	Pk; Unique identifier of film
	category_id	smallint	Fk; Unique identifier of film category
	Last_update	Timestamp without time zone	Data and time of last update

Links to

Table	Join
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film	film_category.film_id = film.film_id
category	film_category.category_id = category.category_id

3.g.

Table name	Column name	Data type	description
actor	Actor_id	smallint	Pk; Unique identifier of actor
	Last_update	Timestamp without time zone	Data and time of last update
	First_name	Character varying	First name of the staff member
	Last_name	Character varying	last name of the staff member

Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

3.h.

Table name	Column name	Data type	description
film	fulltext	Integer	Film index; contains count of key words in description
	rating	smallint	Film rating
	Last_update	Timestamp without time zone	Data and time of last update
	Film_id	integer	Pk; Unique identifier of the film
	Release_year	integer	Year in which film was released

	language_id	smallint	Fk; Unique identifier of language
	Rental_duration	smallint	Duration for which film was rented
	Rental_rate	numeric	Rate at which film was rented
	length	smallint	Film's length
	Replacement_cost	numeric	Replacement cost of the film
	title	Character varying	Title of the film
	description	text	Film's description
	Special_features	array	Special remarks about the film

Links to

Table	Join
language	film.language_id = language.language_id

Linked from

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

3.i.

Table name	Column name	Data type	description
Category	category_id	smallint	Pk; Unique identifier of category
	Last_update	Timestamp without time zone	Data and time of last update

	name	Character varying	Name of category
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Linked from

Table	Join
film_category	film_category.category_id = category.category_id

3.j.

Table name	Column name	Data type	description
address	Last_update	Timestamp without time zone	Data and time of last update
	city_id	smallint	Fk; Unique identifier of city
	Create_date	date	Date of creation of profile
	Address_id	smallint	Pk; Unique identifier of address
	district	Character varying	District name
	phone	Character varying	Phone number for address
	Postal_code	Character varying	Postal code
	address	Character varying	Actual address
	Address2	Character varying	Actual address

Links to

Table	Join
city	address.city_id = city.city_id

Linked from

Table	Join
store	store.address_id = address.address_id
staff	staff.address_id = address.address_id
customer	customer.address_id = address.address_id

3.k.

Table name	Column name	Data type	description
language	language_id	integer	Pk; Unique identifier of language
	Last_update	Timestamp without time zone	Data and time of last update
	name	Character varying	Name of language

Linked from

Table	Join
film	film.language_id = language.language_id

3.l.

Table name	Column name	Data type	description
city	city_id	Integer	Pk; Unique identifier of city
	Country_id	smallint	Fk; Unique identifier of country
	Last_update	Timestamp without time zone	Data and time of last update
	city	Character varying	Name of city

Links to

Table	Join
country	city.country_id = country.country_id

Linked from

Table	Join
address	address.city_id = city.city_id

3.m.

Table name	Column name	Data type	description
country	Country_id	integer	Pk; Unique identifier of country
	Last_update	Timestamp without time zone	Data and time of last update
	country	Character varying	Name of country

Linked from

Table	Join
city	city.country_id = country.country_id