

Rockbuster Stealth LLC Data Dictionary

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Entity Relationship Diagram



Fact Tables

Payment Table

Key Type	Columns	Data Type	Description
Primary	payment_id	SERIAL	A unique id to identify the payment.
Foreign	customer_id	SMALLINT	A unique id to identify the customer.
Foreign	staff_id	SMALLINT	A unique id to identify the staff.
Foreign	rental_id	INTEGER	A unique id to identify the rental.
	amount	NUMERIC(5,2)	The total amount that the customer paid.
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date that the payment was made.

Links to

Table	Join
customer	p.customer_id = cup.customer_id
rental	p.rental_id = re.rental_id

Rental Table

Key Type	Columns	Data Type	Description
Primary	rental_id	SERIAL	A unique ID that identifies the rental.
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date when the rental was purchased.
Foreign	inventory_id	INTEGER	A unique ID that identifies the item in inventory.
Foreign	customer_id	SMALLINT	A unique ID that identifies the customer.
	return_date	TIMESTAMP(6) WIHTOUT TIME ZONE	The date when the rental was returned.
Foreign	staff_id	SMALLINT	A unique number that identifies the employee.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time when the row was last updated.

Links from

Table	Join
payment	p.rental_id = re.rental_id

Links to

Table	Join
inventory	re.inventory_id = inv.inventory_id

Dimension Tables

Inventory Table

Key Type	Column	Data Type	Description
Primary	inventory_id	SERIAL	A unique ID that identifies the item in inventory.
Foreign	film_id	SMALLINT	A unique ID that identifies the film.
	store_id	SMALLINT	A unique ID that identifies the store.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time when the row was last updated.

Links from

Table	Join
rental	re.inventory_id = inv.inventory_id

Links to

Table	Join
film	in.film_id = fi.film_id

Film Category Table

Key Type	Column	Data Type	Description
Composite Key (Primary and Foreign)	film_id	SMALLINT	A unique ID that identifies the film.
Composite Key (Primary and Foreign)	category_id	SMALLINT	A unique ID that identifies the category.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time when the row was last updated.

Links to

Table	Join
film	fi_category.film_id = fi.film_id
category	fic.category_id = ca.category_id

Customer Table

Key Type	Column	Data Type	Description
Primary	customer_id	SERIAL	A unique ID that identifies the customer.
	store_id	SMALLINT	A unique ID that identifies the store
	first_name	CHARACTER VARYING(45)	The first name of the customer.
	last_name	CHARACTER VARYING(45)	The last name of the customer.

	email	CHARCTER VARYING(45)	Email information of the customer.
Foreign	address_id	SMALLINT	Address information of the customer.
	activebool	BOOLEAN	Whether the customer is active or not.
	create_date	DATE	The date when the account was created.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the row was last updated.
	active	INTEGER	Whether the customer is active or not.

Links from

Table	Join
rental	re.customer_id = cu.customer_id

Links to

Table	Join
address	cu.address_id = ad.address_id

Category Table

Key Type	Column	Data Type	Description
Primary	category_id	SERIAL	A unique ID that identifies the category.
	name	CHARCTER VARYING(25)	Name of the category.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the row was last updated.

Links from

Table	Join
film_category	fic.category_id = ca.category_id

Film Table

Key Type	Column	Data Type	Description
	film_id	SERIAL	A unique ID that identifies the film.
	title	CHARCTER VARYING(255)	
	description	TEXT	It describes the story of the film.
	release_year	year	The year the film released.
	language_id	SMALLINT	The language of the film.
	rental_duration	SMALLINT	How long the film was rented.

	rental_rate	NUMERIC(4,2)	The date the film was rented.
	length	SMALLINT	The length of the film.
	replacement_cost	NUMERIC(5,2)	The cost to replace the film if it gets lost.
	rating	mpaa_rating	The rating of the film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the row was last updated.
	special_features	TEXT	The features that the film offers.
	fulltext	TSVECTOR	Some keywords about the film.

Links from

Table	Join
inventory	inv.film_id = fi.film_id
film_category	fic.film_id = fi.film_id

Address Table

Key Type	Column	Data Type	Description
Primary	address_id	SERIAL	A unique ID that identifies the address of the customer.
	address	CHARACTER VARYING(50)	The address of the customer.
	address2	CHARACTER VARYING(50)	Second address of the customer if it applies.
	district	CHARACTER VARYING(20)	The district that the customer lives in.
Foreign	city_id	SMALLINT	The city that the customer lives in.
	postal_code	CHARACTER VARYING(10)	The postal code of the customer's address.
	phone	CHARACTER VARYING(20)	The customer's phone number.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the row last updated.

Links from

Table	Join
city	ad.city_id = ci.city_id

City Table

Key Type	Column	Data Type	Description
Primary	city_id	SERIAL	A unique ID that identifies the city the customer lives in.

	city	CHARCTER VARYING(50)	The city the customer lives in.
Foreign	country_id	SMALLINT	A unique ID that identifies the country where the customer lives in.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the row last updated.

Links to

Table	Join
country	ci.country_id = co.country_id

Country Table

Key Type	Column	Data Type	Description
Primary	country_id	SMALLINT	A unique ID that identifies the country where the customer lives in.
	country	CHARCTER VARYING(50)	The country the customer lives in.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the row last updated.

Links from

Table	Join
city	ci.country_id = co.country_id