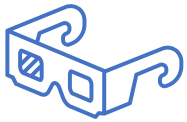
ROCKBUSTER STEALTH LLC

Data Dictionary



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1.0 LEGEND

Primary Key

Foreign Key

2.0 ENTITY RELATIONSHIP DIAGRAM

3.0 TABLES

3.1 FACT TABLES

3.1.1 payment

Column	Key	Data type	Description
payment_id		SERIAL	Unique payment identifier
customer_id		SMALLINT	Unique customer identifier
staff_id		SMALLINT	Unique staff identifier
rental_id		INTEGER	Unique rental identifier
amount		NUMERIC(5,2)	Amount of payment
payment_date		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of payment

Links from

none

Links to:

customer: payment.customer_id = customer.customer_id

staff: payment.staff_id = staff.staff_id

rental: payment.rental_id = rental.rental_id

payment.customer_id =rental.customer_id

payment.staff_id = rental.staff_id

store: payment.staff_id = store.manager_staff_id

3.1.2 rental

Column	Key	Data type	Description
rental_id		SERIAL	Unique rental identifier
rental_date		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of rental
inventory_id		INTEGER	unique inventory identifier
customer_id		SMALLINT	unique customer identifier
return_date		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of return
staff_id		SMALLINT	unique staff identifier
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links from:

payment: payment.rental_id = rental.rental_id

Links to:

inventory: rental.inventory_id = inventory.inventory_id
customer: rental.customer_id = customer.customer_id
staff: rental.staff_id = staff.staff_id
store: rental.staff_id = store.manager_staff_id
payment: rental.staff_id = payment.staff_id
rental.customer_id = payment.customer_id

3.2 DIMENSION TABLES

3.2.1 store

Column	Key	data type	description

store_id		SERIAL	unique store identifier
manager_staff_id		SMALLINT	unique manager identifier
address_id		SMALLINT	unique address identifier
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links from:
none
Links to:
payment: store.manager_staff_id = payment.staff_id
staff: store.manager_staff_id = staff.staff_id
store.address_id = staff.address_id
rental: store.manager_staff_id = rental.staff_id
address: store.address_id = address.address_id
customer: store.address_id = customer.address_id

3.2.2 film_actor

Column	**Key**	**data type**	**description**
actor_id		SMALLINT	unique actor identifier
film_id		SMALLINT	unique film identifier
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links in:
none

Links out:
actor: film_actor.actor_id = actor.actor_id
film: film_actor.film_id = film.film_id
inventory: film_actor.film_id = inventory.film_id
film_category: film_actor.film_id = film_category.film_id

3.2.3 inventory

Column	Key	data type	description
inventory_id		SERIAL	unique inventory identifier
film_id		SMALLINT	unique film identifier
store_id		SMALLINT	unique store identifier
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links from:
rental: rental.inventory_id = inventory.inventory_id
Links to:
film: inventory.film_id = film.film_id
film_actor: inventory.film_id = film_actor.film_id
film_category: inventory.film_id = film_category.film_id

3.2.4 film_category:

Column	Key	data type	description
film_id		SMALLINT	unique film identifier

category_id		SMALLINT	unique category identifier
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links in:

none

Links out:

film: film_category.film_id = film.film_id

inventory: film_category.film_id = inventory.film_id

film_actor: film_category.film_id =film_actor-film_id

category: film_category.category_id = category.category_id

3.2.5 customer

Column	Key	data type	description
customer_id		SERIAL	unique customer identifier
store_id		SMALLINT	unique store identifier
first_name		CHARACTER VARYING(45)	customer first name
last_name		CHARACTER VARYING(45)	customer last name
email		CHARACTER VARYING(50)	customer email address
address_id		SMALLINT	unique customer address identifier
activebool		BOOLEAN	customer active? TRUE/FALSE
create_date		DATE	date of account creation
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update
active		INTEGER	customer active? 1/0

Links in:
payment: payment.customer_id = customer.customer_id
rental: rental.customer_id = customer.customer_id
Links out:
address: customer.address_id = address.address_id
staff: customer.address_id = staff.address_id
store: customer.address_id = store.address_id

3.2.6 staff

Column	Key	data type	description
staff_id		SERIAL	unique staff identifier
first_name		CHARACTER VARYING(45)	staff first name
last_name		CHARACTER VARYING(45)	staff last name
address_id		SMALLINT	unique address identifier
email		CHARACTER VARYING(50)	staff email address
store_id		SMALLINT	unique store identifier
active		BOOLEAN	staff active? TRUE/FALSE
username		CHARCTER VARYING(16)	staff username
password		CHARCTER VARYING(16)	staff password (they both use the same password)
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update
picture		BYTEA	picture of staff member? One has binary data the other is null

Links in:
payment: payment.staff_id = staff.staff_id
rental: rental.staff_id = staff.staff_id
store: store.manager_staff_id = staff.staff_id

Links out:
address: staff.address_id = address.address_id
customer: staff.address_id = customer.address_id
store: staff.address_id = store.address_id

3.2.7 actor

Column	Key	data type	description
actor_id		SERIAL	unique actor identifier
first_name		CHARACTER VARYING(45)	actor first name
last_name		CHARCTER VARYING(45)	actor last name
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links in:
film_actor: film_actor.actor_id = actor.actor_id
Links out:
none

3.2.8 film

Column	Key	data type	description
film_id		SERIAL	unique film identifier
title		CHARCTER VARYING(255)	film title
description		TEXT	film blurb
release_year		year	year of release
language_id		SMALLINT	unique language identifier
rental_duration		SMALLINT	duration of rental

rental_rate		NUMERIC(4,2)	cost of rental
length		SMALLINT	film length
replacement_cost		NUMERIC(5,2)	replacement cost of film
rating		mpaa_rating	film rating
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update
special_features		TEXT[]	Film special features
fulltext		TSVECTOR	a count of the words in the description for search purposes

Links in:
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
Links out:
language: film.language_id = language.language_id

3.2.9 category

Column	Key	data type	description
category_id		SERIAL	unique category identifier
name		CHARACTER VARYING(25)	name of category
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update

Links in:
film_category: film_category.category_id = category.category_id
Links out:
none

3.2.10 address

Column	Key	data type	description
address_id		SERIAL	unique address identifier
address		CHARACTER VARYING(50)	first line of address
address2		CHARACTER VARYING(50)	second line of address
district		CHARACTER VARYING(20)	address district
city_id		SMALLINT	unique city identifier
postal_code		CHARACTER VARYING(10)	address post code
phone		CHARACTER VARYING(20)	customer phone number
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time last updated

Links in:

customer: customer.address_id = address.address_id

staff: staff.address_id = address.address_id

store: store.address_id = address.address_id

Links out:

city: address.city_id = city.city_id

3.2.11 language

Column	Key	data type	description
language_id		SERIAL	unique language identifier
name		CHARACTER(20)	name of language
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date last updated

Links in:
film: film.language_id = language.language_id
Links out:
none

3.2.12 city

Column	Key	data type	description
city_id		SERIAL	unique city identifier
city		CHARACTER VARYING(50)	name of city
country_id		SMALLINT	unique country identifier
last_update		TMESTAMP(6) WITHOUT TIME ZONE	time and date last updated

Links in:
address: address.city_id = city.city_id
Links out:
country: city.country_id = country.country_id

3.2.13 country

Column	Key	data type	description
country_id		SERIAL	unique country identifier
country		CHARACTER VARYING(50)	name of country
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	time and date last updated

Links in:
city: city.country_id = country.country_id