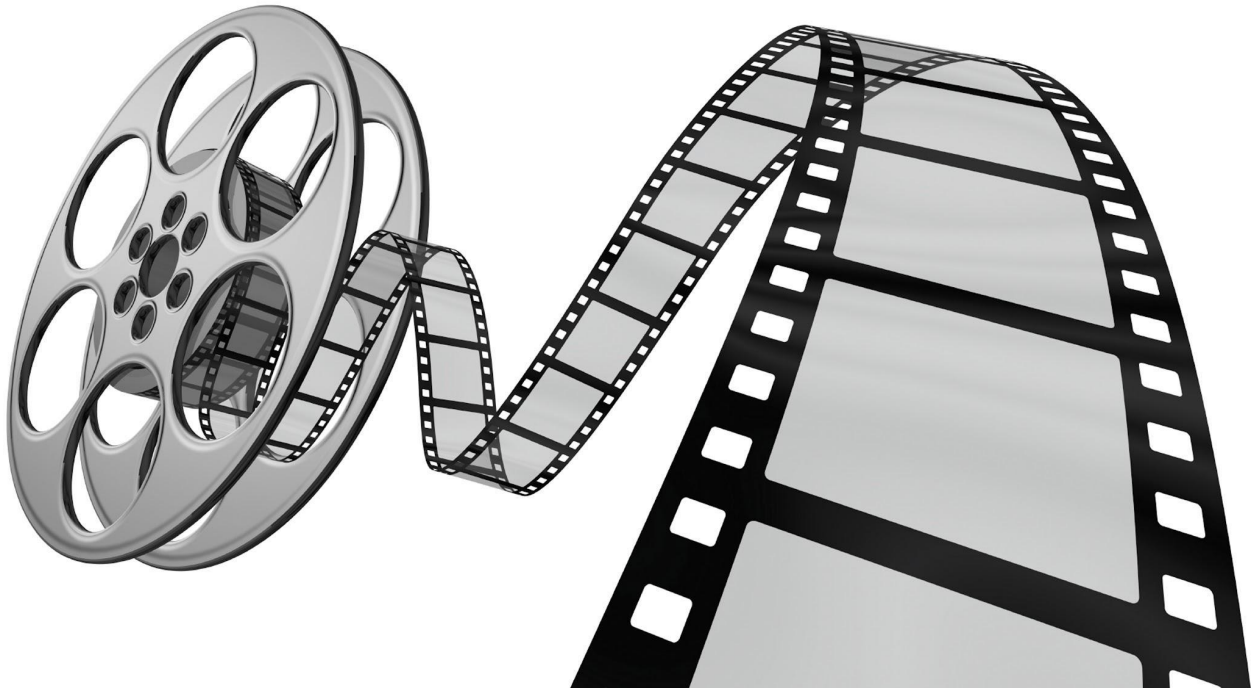


Rockbuster Stealth Data Dictionary



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1. Rockbuster Stealth

Rockbuster Stealth LLC is a movie rental company that has customers around the world and will soon launch an online video rental service.

2. Entity Relationship Diagram



3. Fact Tables

3.1 Rental

Rental data of movies rented.

Key	Columns	Data Type	Description
foreign	customer_id	smallint	Links to customer table. Unique customer identifier.
foreign	inventory_id	integer	Links to inventory table. Unique inventory identifier.
	last_update	timestamp without time zone	Last update
	rental_date	timestamp without time zone	Rental date
primary	rental_id	integer	Unique rental identifier.
	return_date	smallint	Date the film was returned.
foreign	staff_id	smallint	Links to staff table. Staff that

			processed the rental request.
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Linked to

Table	Join
customer	rental_customer_id = customer.customer_id
inventory	rental.inventory_id = inventory.inventory_id
staff	rental.staff_id = staff.staff_id

Linked from

Table	Join
payment	payment.rental_id = rental.rental_id

3.1 Payment

Payment data of movies rented.

Key	Columns	Data Type	Description
	amount	numeric	Payment amount.
foreign	customer_id	smallint	Links to customer table. Customer that made the payment.
	payment_date	timestamp without time zone	Date of payment
primary	payment_id	integer	Unique payment identifier.
foreign	rental_id	integer	Rental information the payment is for.
foreign	staff_id	smallint	Staff that processed the payment.

Linked to

Table	Join
customer	payment_customer_id = customer.customer_id
inventory	payment.inventory_id = inventory.inventory_id
staff	payment.staff_id = staff.staff_id

4. Dimension Tables

4.1 Actor

Actor's data.

Key	Columns	Data Type	Description
primary	actor_id	integer	Unique actor identifier.
	last_update	timestamp without time zone	Date the record was updated.
	first_name	character varying (45)	First name of actor.
	last_name	character varying (45)	Last name of actor.

Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

4.2 Address

Address and phone information of a person or store.

Key	Columns	Data Type	Description
primary	address_id	integer	Unique address identifier.
foreign	city_id	smalint	Links to city table. Unique city identifier.

	district	character varying (20)	District of the address.
	postal_code	character varying (10)	Postal code of the address.
	address2	character varying (50)	Second line of the address.
	last_update	timestamp without time zone	Record last updated.
	phone	character varying (20)	Phone number of the address.
	address	character varying (50)	Street address.

Linked to

Table	Join
city	city.city_id = address.city_id

Linked from

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

4.3 Category

Data of movie categories.

Key	Columns	Data Type	Description
primary	category_id	integer	Unique category identifier.
	last_update	timestamp without time zone	Record last updated.
	name	character varying (25)	Film category.

Linked from

Table	Join
film_category	film_category.category_id = category.category_id

4.4 City

Data of city such as name and country.

Key	Columns	Data Type	Description
	city	character varying (50)	City name.
primary	city_id	integer	Unique city identifier.
foreign	country_id	smallint	Unique country identifier.
	last_update	timestamp without time zone	Record last updated.

Linked to

Table	Join
country	country.country_id = city.country_id

Linked from

Table	Join
address	city.city_id = address.city_id

4.5 Country

Data of country such as name.

Key	Columns	Data Type	Description
	country	character varying (50)	Country name.

primary	country_id	integer	Unique country identifier.
	last_update	timestamp without time zone	Record last updated.

Linked from

Table	Join
city	city.country_id = country.country_id

4.6 Customer

Key	Columns	Data Type	Description
	active	integer	0 = inactive, 1 = active
	activebool	boolean	Active status of customer in true or false.
foreign	address_id	smallint	Unique address identifier. Address of the customer.
	create_date	date	Date the customer record was created.
primary	customer_id	integer	Unique customer identifier.
	email	character varying (50)	Email of the customer.
	first_name	character varying (45)	First name of the customer.
	last_name	character varying (45)	Last name of the customer.
	last_update	timestamp without time zone	Record last updated.
foreign	store_id	smallint	The store where the customer is registered.

Linked to

Table	Join
address	customer.address_id = address.address_id

store_id	store.store_id = customer.store_id
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Linked from

Table	Join
payment	payment.customer_id = customer.customer_id
rental	rental.customer_id = customer.customer_id

4.7 Film

Key	Columns	Data Type	Description
	description	text	Description of film.
primary	film_id	integer	Unique film identifier.
	fulltext	tsvector	Keywords describing film.
foreign	language_id	smallint	Unique language identifier.
	last_update	timestamp without time zone	Record last updated.
	length	smallint	Length of film.
	rating	USER-DEFINED	Advisory categories for films.
	release_year	integer	Year the film was released.
	rental_duration	smallint	Maximum rental allowed.
	rental_rate	numeric	Cost of renting.
	replacement_cost	numeric	Cost of replacing the film if lost.
	special_features	ARRAY	Additional features as part of the film.
	title	Character varying (255)	Title of the film.

Linked to

Table	Join
language	language.language_id = film.language_id

Linked from

Table	Join
film_actor	film_actor.film_id = film.film_id
film_category	film_category.film_id = film.film_id
inventory	inventory.film_id = film.film_id

4.8 Film_actor

Key	Columns	Data Type	Description
foreign	actor_id	smallint	Unique actor identifier.
foreign	film_id	smallint	Unique film identifier.
	last_update	timestamp without time zone	Record last updated.

Linked to

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

4.9 Film_category

Key	Columns	Data Type	Description
foreign	category_id	smallint	Unique category identifier.
foreign	film_id	smallint	Unique film identifier.
	last_update	timestamp without time zone	Record last updated.

Linked to

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

4.10 Inventory

Key	Columns	Data Type	Description
foreign	film_id	smallint	Unique film identifier. Film associated with inventory record.
primary	inventory_id	integer	Unique inventory identifier.
	last_update	timestamp without time zone	Record last updated.
foreign	store_id	smallint	Unique store identifier. Store associated with inventory record.

Linked to

Table	Join
store	store.store_id = inventory.store_id
film	film.film_id = inventory.film_id

Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

4.11 Language

Key	Columns	Data Type	Description
primary	language_id	integer	Unique language identifier.
	last_update	timestamp without time zone	Record last updated.
	name	character	Language name.

Linked from

Table	Join
film	language.language_id = film.language_id

4.12 Staff

Key	Columns	Data Type	Description
	active	boolean	Staff active with Rockbuster at stores (true/false)
foreign	address_id	smallint	Unique address identifier. Address of staff.
	email	character varying (50)	Email of staff.
	first_name	character varying (45)	First name of staff.
	last_name	character varying (45)	Last name of staff.
	last_update	timestamp without time zone	Record last updated.
	password	character varying (40)	Password to log into staff account.

	picture	bytea	Picture of staff member.
primary	staff_id	integer	Unique staff identifier.
foreign	store_id	smallint	Store where the staff works.
	username	character varying (16)	Username of the staff.

Linked to

Table	Join
address	Staff.address_id = address.address_id
store	store.store_id = staff.store_id

Linked from

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

4.13 Store

Key	Columns	Data Type	Description
foreign	address_id	smallint	Unique address identifier. Address of the store.
	last_update	timestamp without time zone	Record last updated.
foreign	manager_staff_id	smallint	Unique manager identifier. Manager of the store.
primary	store_id	integer	Unique store identifier.

Linked to

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

Linked from

Table	Join
staff	staff.store_id = store.store_id
customer	customer.store_id = store.store_id
inventory	inventory.store_id = store.store_id