

# ROCKBUSTER STEALTH LLC

## DATA DICTIONARY







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# 1. Entity Relationship Diagram:



## 2. Legend:

	Primary key
	Foreign key
	Primary key relation (links to)
	Foreign key relation (links from)

## 3. Fact Tables:

### 3.1. Payment










column	Data type	Description
amount	numeric	Amount of payment.
 customer_id	smallint	Unique customer identifier.
payment_date	timestamp without time zone	Date and time of payment.
 payment_id	integer	Unique identifier for payments.
 rental_id	integer	Identifier for the rental associated with the payment.
 staff_id	smallint	Unique staff identifier.

	Table	Joins On
Links to	 Rental	Payment.rental_id = Rental.rental_id
	 Staff	Payment.staff_id = Staff.staff_id
	 Customer	Payment.customer_id = Customer.customer_id
Links from	 none	none

	Column	Description
Unique key	 payment_id	Primary key for the payment table

## 3.2. Rental










column	Data type	Description
 customer_id	smallint	Unique customer identifier.
 inventory_id	integer	Unique inventory identifier.
last_update	timestamp without time zone	Date and time of the last update for rental information.
rental_date	timestamp without time zone	Date and time of rental.
 rental_id	integer	Unique identifier for rentals.
return_date	timestamp without time zone	Date and time of return.
 staff_id	smallint	Unique staff identifier.

		Table	Joins On
Links to		inventory	Rental.inventory_id = Inventory.inventory_id
		customer	Rental.customer_id = Customer.customer_id
		staff	Rental.staff_id = Staff.staff_id
Links from		payment	Payment.rental_id = Rental.rental_id

		Column	Description
Unique key		rental_id	Primary key for the rental table

## 4. Diminsion Tables:

### 4.1. Inventory






column	Data type	Description
 film_id	smallint	Unique film identifier.
 inventory_id	integer	Unique identifier for inventory items.
last_update	timestamp without time zone	Date and time of the last update for inventory information.
 store_id	smallint	Unique store identifier.
amount	numeric	Amount of payment.

		Table	Joins On
Links to		film	Film_actor.film_id = Film.film_id
		store	Inventory.store_id = Store.store_id
Links from		rental	Inventory.inventory_id = Rental.inventory_id

		Column	Description
Unique key		inventory_id	Primary key for the inventory table

## 4.2. Actor





column	Data type	Description
 actor_id	integer	Unique identifier for actors.
first_name	character varying	First name of the actor.
last_name	character varying	Last name of the actor.
last_update	timestamp without time zone	Date and time of the last update for the actor's information.

		Table	Joins On
Links to		none	none
Links from		film_actor	Film_actor.actor_id = Actor.actor_id

		Column	Description
Unique key		actor_id	Primary key for the actor table

## 4.3. Address




column	Data type	Description
address	character varying	Street address for customers, stores, and actors.
 address_id	integer	Unique identifier for addresses.
address2	character varying	Additional address information.
 city_id	smallint	Unique city identifier.
district	character varying	District or region for the address.
last_update	timestamp without time zone	Date and time of the last update for the address information.
phone	character varying	Phone number associated with the address.
postal_code	character varying	Postal code for the address.

		Table	Joins On
Links to		city	Address.city_id = City.city_id
Links from		store	Address.address_id = Store.address_id
		staff	Address.address_id = Staff.address_id
		customer	Address.address_id = Customer.address_id

		Column	Description
Unique key		address_id	Primary key for the address table

## 4.4. Category





column	Data type	Description
 category_id	integer	Unique identifier for categories of films.
last_update	timestamp without time zone	Date and time of the last update for the category information.
name	character varying	Name of the film category.

		Table	Joins On
Links to		none	none
Links from		film_actor	Category.category_id = Film_category.category_id



		Column	Description
Unique key		category_id	Primary key for the category table

## 4.5. City






column	Data type	Description
city	character varying	Unique identifier for cities.
 city_id	integer	Name of the city.
 country_id	smallint	Unique country identifier.
last_update	timestamp without time zone	Date and time of the last update for the city information.

		Table	Joins On
Links to		country	City.country_id = Country.country_id
Links from		address	City.city_id = Address.city_id

		Column	Description
Unique key		city_id	Primary key for the city table

## 4.6. Country





column	Data type	Description
country	character varying	Unique identifier for countries.
 country_id	integer	Name of the country.
last_update	timestamp without time zone	Date and time of the last update for the country information.

		Table	Joins On
Links to		none	none
Links from		city	Country.country_id = City.country_id

		Column	Description
Unique key		country_id	Primary key for the country table

## 4.7. Customer




column	Data type	Description
active	integer	Indicator of customer activity.
activebool	boolean	Boolean indicator of customer activity.
 address_id	smallint	Unique address identifier.
create_date	date	Date of customer creation.
 customer_id	integer	Unique identifier for customers.
email	character varying	Customer's email address.
first_name	character varying	First name of the customer.
last_name	character varying	Last name of the customer.
last_update	timestamp without time zone	Date and time of the last update for customer information.
store_id	smallint	Unique store identifier.

		Table	Joins On
Links to		address	Customer.address_id=Address.address_id
Links from		rental	Customer.customer_id=Rental.customer_id

		Column	Description
Unique key		customer_id	Primary key for the customer table

## 4.8. Film






column	Data type	Description
description	text	Description of the film.
 film_id	integer	Unique identifier for films.
fulltext	tsvector	Text search vector for full-text search.
 language_id	smallint	Unique language identifier.
last_update	timestamp without time zone	Date and time of the last update for film information.
length	smallint	Duration of the film in minutes.
rating	USER-DEFINED	Custom film rating type.
release_year	integer	Year of film release.
rental_duration	smallint	Duration of film rental period.
rental_rate	numeric	Rental rate for the film.
replacement_cost	numeric	Cost of replacing the film.
special_features	ARRAY	Array of special features of the film.
title	character varying	Title of the film.

		Table	Joins On
Links to		language	Film.language_id=Language.language_id
Links from		inventory	Film.film_id=Inventory.film_id

		Column	Description
Unique key		film_id	Primary key for the film table

## 4.9. Film\_actor






column	Data type	Description
 actor_id	smallint	Unique actor identifier.
 film_id	smallint	Unique film identifier.
last_update	timestamp without time zone	Date and time of the last update for the film-actor relationship.

		Table	Joins On
Links to		actor	Film_actor.actor_id=Actor.actor_id
		film	Film_actor.film_id=Film.film_id
Links from		none	none



## 4.10. Film\_category






column	Data type	Description
 category_id	smallint	Unique category identifier.
 film_id	smallint	Unique film identifier.

		Table	Joins On
Links to		film	Film_category.film_id=Film.film_id
		category	Film_category.category_id=Category.category_id
Links from		none	none

## 4.11. Language





column	Data type	Description
 language_id	integer	Unique identifier for languages.
last_update	timestamp without time zone	Date and time of the last update for language information.
name	character	Name of the language.

		Table	Joins On
Links to		none	none
Links from		film	Language.language_id=Film.language_id

		Column	Description
Unique key		language_id	Primary key for the language table

## 4.12. Staff






column	Data type	Description
active	boolean	Indicator of staff activity.
 address_id	smallint	Unique address identifier.
email	character varying	Staff member's email address.
first_name	character varying	First name of the staff member.
last_name	character varying	Last name of the staff member.
last_update	timestamp without time zone	Date and time of the last update for staff information.
password	character varying	Password for staff authentication.
picture	bytea	Picture of the staff member.
 staff_id	integer	Unique identifier for staff members.
store_id	smallint	Unique store identifier.
username	character varying	Username for staff authentication.

		Table	Joins On
Links to		address	Staff.address_id=Address.address_id
Links from		payment	Staff.staff_id=Payment.staff_id

		Column	Description
Unique key		staff_id	Primary key for the staff table

## 4.13. Store






column	Data type	Description
 address_id	smallint	Unique address identifier.
last_update	timestamp without time zone	Date and time of the last update for store information.
manager_staff_id	smallint	Unique manager identifier.
 store_id	integer	Unique identifier for stores.

		Table	Joins On
Links to		address	Staff.address_id=Address.address_id
Links from		payment	Staff.staff_id=Payment.staff_id

		Column	Description
Unique key		store_id	Primary key for the store table