

Rockbuster Stealth LLC

Data Dictionary

TABLE OF CONTENTS

1. ROCKBUSTER STEALTH	3
2. LEGEND	3
3. ENTITY RELATIONSHIP DIAGRAM (ERD)	3
4. FACT TABLES	4
4.1 Table: rental	4
4.2 Table: payment	5
5.DIMENSION TABLES	6
5.1 Table: store	6
5.2 Table: film_actor	7
5.3 Table: inventory	7
5.4 Table: film_category	8
5.5 Table: customer	9
5.6 Table: staff	11
5.7 Table: actor	13
5.8 Table: film	13
5.9 Table: category	16
5.10 Table: address	16
5.11 Table: language	18
5.12 Table: city	18
5.13 Table: country	19

1. ROCKBUSTER STEALTH

The Rockbuster Stealth dataset contains data related to a company's inventory, leases, customers, payments, and employees. It includes two fact tables and thirteen dimensional tables.

2. LEGEND

Primary Key - 🔑





Foreign Key - ✓

3. ENTITY RELATIONSHIP DIAGRAM (ERD)



4. FACT TABLE:

4.1. Table: Rental

	COLUMNS	DATA TYPE	DESCRIPTION
	rental_id	SERIAL	Unique identifier for each rental transaction
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of rental initiation
	inventory_id	INTEGER	Identifier for the rented item
	customer_id	SMALLINT	Unique customer identifier
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of item return
	staff_id	SMALLINT	Identifier for the staff member involved
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent record update.

LINKS TO

Table name: Join

Customer: rental.customer_id = customer.customer_id

Inventory: rental.inventory_id=inventory.inventory_id

Staff: rental.staff_id = staff.staff_id

4.2. Table: Payment

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	payment_id	SERIAL	Unique identifier for each payment transaction.
✓	customer_id	SMALLINT	Identifier of the customer making the payment.
✓	staff_id	SMALLINT	Identifier of the staff member processing the payment.
✓	rental_id	INTEGER	Identifier linking the payment to a specific rental transaction.
	amount	NUMERIC(5,2)	The payment amount, represented with up to two decimal places.
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the payment was made

LINKS TO

Table name: Join




Customer: payment.customer_id = customer.customer_id

Rental: payment.staff_id=staff.staff_id

Staff: payment.rental_id = rental.rental_id

5. DIMENSION TABLES:

5.1. Table: Store

	COLUMNS	DATA TYPE	DESCRIPTION
	storel_id	SERIAL	Unique identifier for each store.
	manager_staff_id	SMALLINT	Identifier of the staff member who manages the store.
	address_id	SMALLINT	Identifier linking to the store's address information.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to store records.



LINKS TO

Table name: Join

Address: store.address_id = address.address_id

Staff: store.manager_staff_id = staff.staff_id

5.2. Table: film_actor

	COLUMNS	DATA TYPE	DESCRIPTION
	actor_id	SMALLINT	Identifier for the actor involved in a film.
	film_id	SMALLINT	Identifier for the film in which the actor appears.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to the actor-film relationship.


LINKS TO

Table name: Join

Actor: film_actor.actor_id = actor.actor_id

Film: film_actor.film_id = film.film_id

5.3. Table: inventory

	COLUMNS	DATA TYPE	DESCRIPTION
	inventory_id	SERIAL	Unique identifier for each inventory item.

✓	film_id	SMALLINT	Identifier for the film associated with the inventory item.
	store_id	SMALLINT	Identifier for the store where the inventory item is located.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to inventory records.

LINKS TO

Table name: Join

Film: inventory.film_id = film.film_id

5.4. Table: film_category

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	film_id	SMALLINT	Identifier for the film related to a category.

✓	category_id	SMALLINT	Identifier for the category assigned to a film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to film-category associations.

LINKS TO

Table name: Join

Category: film_category.category_id = category.category_id

Film: film_category.film_id = film.film_id

5.5. Table: customer

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	customer_id	SERIAL	Unique identifier for each customer.
	store_id	SMALLINT	Identifier for the store to which the customer is associated.
	first_name	CHARACTER VARYING(45)	First Name of the customer.



	last_name	CHARACTER VARYING(45)	Last name of the customer
	email	CHARACTER VARYING(50)	Email address of the customer.
✓	address_id	SMALLINT	Identifier linking to the customer's address information.
	activebool	BOOLEAN	Boolean flag indicating customer's active status.
	create_date	DATE	Date when the customer record was created.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to customer records.
	active	INTEGER	Integer value representing the customer's active status.

LINKS TO

Table name: Join

Address: customer.address_id = address.address_id

5.6. Table: staff

	COLUMNS	DATA TYPE	DESCRIPTION
	staff_id	SERIAL	Unique identifier for each staff member.
	first_name	CHARACTER VARYING(45)	First name of the staff member.
	last_name	CHARACTER VARYING(45)	Last name of the staff member.
	address_id	SMALLINT	Identifier linking to the staff member's address information.
	email	CHARACTER VARYING(50)	Email address of the staff member.
	store_id	SMALLINT	Identifier for the store where the staff member is employed.
	active	BOOLEAN	Boolean flag indicating the staff member's active status.


	username	CHARACTER VARYING(16)	Username used by the staff member for authentication.
	password	CHARACTER VARYING(40)	Password associated with the staff member's account.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to staff records.
	picture	BYTEA	Binary data representing a picture or image associated with the staff member, if applicable.

LINKS TO

Table name: Join

Address: staff.address_id = address.address_id

5.7. Table: actor


	COLUMNS	DATA TYPE	DESCRIPTION
	actor_id	SERIAL	Unique identifier for each actor.
	first_name	CHARACTER VARYING(45)	First name of the actor.
	last_name	CHARACTER VARYING(45)	Last name of the actor.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to actor records.

LINKS FROM

Table name: Join

Film_actor: actor.actor_id = film_actor.actor_id

5.8. Table: film

	COLUMNS	DATA TYPE	DESCRIPTION
	film_id	SERIAL	Unique identifier for each film.

	title	CHARACTER VARYING(225)	Title of the film.
	description	TEXT	A textual description of the film.
	release_year	year	The year when the film was released.
✓	language_id	SMALLINT	Identifier for the language in which the film is available.
	rental_duration	SMALLINT	The duration for which the film can be rented.
	rental_rate	NUMERIC(4,2)	The rental rate for the film, represented with up to two decimal places.
	length	SMALLINT	The duration of the film in minutes.
	replacement_cost	NUMERIC(5,2)	The cost to replace the film, represented with up to two decimal places.


	rating	mpaa_rating	The film's rating according to the MPAA
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to film records.
	special_features	TEXT[]	A list of special features or attributes associated with the film.
	fulltext	TSVECTOR	A vector representation of the film's full text, typically used for text-based search indexing.

LINKS TO

Table name: Join

Language: film.language_id = language.language_id

5.9. Table: category


	COLUMNS	DATA TYPE	DESCRIPTION
	category_id	SERIAL	Unique identifier for each film category.
	name	CHARACTER VARYING(25)	The name of the film category.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to category records.

LINKS FROM

Table name: Join

Film_category: category.category_id = film_category.category_id

5.10. Table: address

	COLUMNS	DATA TYPE	DESCRIPTION
	address_id	SERIAL	Unique identifier for each address
	address	CHARACTER VARYING(50)	The main address information.


	address2	CHARACTER VARYING(50)	Additional address information, if applicable.
	district	CHARACTER VARYING(20)	The district or region where the address is located.
✓	city_id	SMALLINT	Identifier for the city associated with the address.
	postal_code	CHARACTER VARYING(10)	The postal code or ZIP code of the address.
	phone	CHARACTER VARYING(20)	The phone number associated with the address.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to address records.

LINKS TO

Table name: Join

City: address.city_id = city.city_id

5.11. Table: language


	COLUMNS	DATA TYPE	DESCRIPTION
	language_id	SERIAL	Unique identifier for each language.
	name	CHARACTER(20)	The name of the language.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to language records.

LINKS FROM

Table name: Join

Film: language.language_id = film.language_id

5.12. Table: city

	COLUMNS	DATA TYPE	DESCRIPTION
	city_id	SERIAL	Unique identifier for each city.
	city	CHARACTER VARYING(50)	The name of the city.

✓	country_id	SMALLINT	Identifier for the country to which the city belongs.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to city records.

LINKS TO

Table name: Join

Country: city.country_id = country.country_id

5.13. Table: country

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	country_id	SERIAL	Unique identifier for each country.
	country	CHARACTER VARYING(50)	The name of the country.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the most recent update to country records.

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LINKS FROM

Table name: Join

City: country.coutry_id = city.country_id