

Rockbuster Stealth

Data Dictionary

Table of Contents

● Section 1: ROCKBUSTER STEALTH:	3
● Section 2: LEGEND:	3
● Section 3: ENTITY RELATIONSHIP DIAGRAM (ERD)	4
● Section 4: FACT TABLES	5
● Section 4.1: Table: payment	5
● Section 4.2: Table: rental	5
● Section 5: DIMENSION TABLES	6
● Section 5.2: Table: address	7
● Section 5.3: Table: category	7
● Section 5.4: Table: city	8
● Section 5.5: Table: country	8
● Section 5.6: Table: customer	9
● Section 5.7: Table: film	9
● Section 5.8: Table: film_actor	10
● Section 5.9: Table: film_category	11
● Section 5.10: Table: inventory	11
● Section 5.11: Table: language	12
● Section 5.12: Table: staff	12
● Section 5.13: Table: store	13



■ Section 1: ROCKBUSTER STEALTH:

The Rockbuster Stealth dataset comprises details related to the company's

- inventory,
- rentals,
- customers,
- payments,
- employees, etc.

It encompasses two fact tables and fourteen-dimension tables.


■ Section 2: LEGEND:

-  Primary Key
-  Foreign Key

■ Section 3: ENTITY RELATIONSHIP DIAGRAM (ERD)



■ Section 4: FACT TABLES:

		COLUMNS	
	Column name	Data type	Description
	Payment_id	serial	Unique payment identifier.
<input checked="" type="checkbox"/>	Customer_id	smallint	Unique customer identifier.
<input checked="" type="checkbox"/>	Staff_id	smallint	Unique staff member identifier
<input checked="" type="checkbox"/>	Rental_id	integer	Unique rental identifier.
	amount	Numeric (5, 2)	Amount paid for rental (in USD).
	Payment_date	timestamp (6) without time zone	Date and time of payment

■ Section 4.1: Table: payment

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

■ Section 4.2: Table: rental:

		Rentals	
	Rental_id	serial	Unique rental identifier
	Rental_date	Timestamp without time zone	Date and time of rental
	Inventory_id	integer	Unique inventory identifier
	Customer_id	Small integer	Unique customer identifier
	Return_date	Timestamp without time zone	Date and time of rental
	Staff_id	Small integer	Unique staff identifier


	Last_update	Timestamp without time zone	Date and time of latest 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

Linked from	
Table name	Join
payment	rental.rental_id = payment.rental_id

■ Section 5: DIMENSION TABLES:


Section 5.1: Table: actor:

	COLUMNS		
	Column name	Data type	Description
	actor_id	serial	Unique actor identifier
	first_name	character varying (45)	First name of an actor.
	last_name	character varying (45)	Last name of an actor.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	Join
N/A	N/A

LINKED FROM	
Table name	Join
film_actor	actor.actor_id = film_actor.actor_id


■ **Section 5.2: Table: address:**

	COLUMNS		
	Column name	Data type	Description
	address_id	serial	Unique address identifier
	address	character varying (50)	Primary address.
	address2	character varying (50)	Second address.
	district	character varying (20)	Address district.
<input checked="" type="checkbox"/>	city_id	smallint	Unique city identifier.
	postal_code	character varying (10)	Address postal code.
	phone	character varying (20)	Phone number.
	last_update	timestamp (6) without time zone	Date and time of last information update

LINKS TO	
Table name	Join
city	address.city_id = city.city_id

LINKED FROM	
Table name	Join
customer	address.address_id = customer.address_id
staff	address.address_id = staff.address_id
store	address.address_id = store.address_id

Section 5.3: Table: category


	COLUMNS		
	Column name	Data type	Description
	category_id	serial	Unique film category identifier
	name	character varying (25)	Name of the film category.

	last_update	timestamp (6) without time zone	Date and time of last information update.
--	-------------	---------------------------------	---

LINKS TO	
Table name	Join
N/A	N/A

LINKED FROM	
Table name	Join
film_category	category.category_id = film_category.category_id


- Section 5.4: Table: city

	COLUMNS		
	Column name	Data type	Description
	city_id	serial	Unique city identifier.
	city	character varying (50)	Name of the city.
<input checked="" type="checkbox"/>	country_id	smallint	Unique country identifier.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	Join
country	city.country_id =country.country_id



LINKED FROM	
Table name	Join
address	city.city_id =address.city_id

Section 5.5: Table: country

	COLUMNS		
	Column name	Data type	Description
	country_id	serial	Unique country identifier.
	country	character varying (50)	Name of the country.
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKED FROM	
Table name	Join
city	country.country_id = city.country_id

Section 5.6: Table: customer

	COLUMNS		
	Column name	Data type	Description
	customer_id	serial	Unique customer identifier
	store_id	smallint	Unique store identifier
	first_name	character varying (45)	Customer's first name
	last_name	character varying (45)	Customer's last name
	email	character varying (50)	Customer's email address
	address_id	smallint	Unique address identifier
	activebool	boolean	Customer's active status (true or false)
	create_date	date	Date of customer's profile creation (format yyyy-mm-dd).
	last_update	timestamp (6) without time zone	Date and time of last information update
	active	integer	Customer's active status (0 or 1)

LINKS TO	
Table name	Join
address	customer.address_id = address.address_id

LINKED FROM	
Table name	Join
payment	customer.customer_id = payment.customer_id =
rental	customer.customer_id = rental.customer_id =

Section 5.7: Table: film


	COLUMNS		
	Column name	Data type	Description
	film_id	serial	Unique ID number given to


			each film
	title	character varying (255)	Title of film
	description	text	Description of film in text
	release year	year	The year the film was released

LINKS TO	
Table name	Join
language	film.language_id = language.language_id

LINKED FROM	
Table name	Join
film_actor	film.film_id = film_actor.film_id
film_category	film.film_id = film_category.film_id
inventory	film.film_id = inventory.film_id

Section 5.8: Table: film_actor





	COLUMNS		
	Column name	Data type	Description
	actor_id	smallint	Unique actor identifier
	film_id	smallint	Unique movie identifier
	last_update	timestamp (6) without time zone	Date and time of last information update

	language_id	smallint	The language of the film
	rental_duration	smallint	The length of the rental in days
	rental_rate	numeric (4, 2)	Price of rental in USD
	length	smallint	Length of film in minutes
	replacement_cost	numeric (5, 2)	Cost of replacing each film unit lost in USD
	rating	mpaa_rating	Rating given to each film by the MPAA
	last_update	timestamp (6) without time zone	Timestamp for the exact date and time this table was last updated

	special_features	text []	Special features that accompany the film
	fulltext	tsvector	Text search vectors for full film text searches




LINKS TO	
Table name	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

Section 5.9: Table: film_category

	COLUMNS		
	Column name	Data type	Description
 	film_id	smallint	Unique movie identifier
 	category_id	smallint	Unique category identifier
	last_update	timestamp (6) without time zone	Date and time of last information update

LINKS TO	
Table name	Join
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id


Section 5.10: Table: inventory

	COLUMNS		
	Column name	Data type	Description
 	inventory_id	serial	Unique inventory identifier
	film_id	smallint	Unique movie identifier
	store_id	smallint	Unique store identifier
	last_update	timestamp (6) without time zone	Date and time of last information update

LINKS TO	
Table name	Join
film	inventory.film_id = film.film_id



LINKED FROM	
Table name	Join
rental	inventory.inventory_id = rental.inventory_id

Section 5.11: Table: language

	COLUMNS		
	Column name	Data type	Description
	language_id	serial	Unique language identifier
	name	character (20)	Name of the language
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKED FROM	
Table name	Join
film	language.language_id = film.language_id

Section 5.12: Table: staff

	COLUMNS		
	Column name	Data type	Description
	staff_id	serial	Unique staff member identifier
	first_name	character varying (45)	Staff member's first name
	last_name	character varying (45)	Staff member's last name
	address_id	smallint	Unique address identifier
	email	character varying (50)	Staff member's email address
	store_id	smallint	Unique store identifier Active status of staff member (true or false)
	active	boolean	Active status of staff member (true or false)
	username	character varying (16)	Login username for particular


			staff member
	password	character varying (40)	Login password for particular staff member

	last_update	timestamp (6) without time zone	Date and time of last information update
	picture	bytea	Staff member's picture

LINKS TO	
Table name	Join
address	staff.address_id = address.address_id

LINKED FROM	
Table name	Join
payment	staff.staff_id = payment.staff_id
rental	staff.staff_id = rental.staff_id
store	staff.staff_id = store.staff_id

Section 5.13: Table: store

	COLUMNS		
	Column name	Data type	Description
	store_id	serial	Unique store identifier
✓	manager_staff_id	smallint	Unique manager of staff identifier
✓	address_id	smallint	Unique store address identifier
	last_update	timestamp (6) without time zone	Date and time of last information update.

LINKS TO	
Table name	Join
address	store.address_id = address.address_id
staff	store.manager_staff_id = staff.staff_id

