

ROCKBUSTER STEALTH

DATA DICTIONARY

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ROCKBUSTER STEALTH – ENTITY RELATIONSHIP DIAGRAM







The Rockbuster database has a snowflake scheme, as there are many sub – dimension tables.

LEGEND KEY

	- Primary Key
	- Foreign Key

FACT AND DIMENSION TABLES:

RENTAL

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	rental_id	Integer	ID assigned to each rental movie
	rental_date	Timestamp without time zone	Date of when the movie was rented
	inventory_id	Integer	ID assigned to each movie in the inventory
	customer_id	Smallint	ID assigned to the customers
	return_date	Timestamp without time zone	Date of when the movie was returned
	staff_id	Smallint	ID assigned to each of the staffs
	last_update	Timestamp without time zone	Date and Time of when the table was last updated




LINKS TO:

TABLE	JOIN
Customer	rental. customer_id = customer.customer_id
inventory	rental. inventory_id = inventory. inventory_id
staff	rental. staff_id = staff. staff_id

LINKS FROM:

TABLE	JOIN
payment	payment. rental_id = rental. rental_id

CUSTOMER

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	customer_id	Integer	ID assigned to each of the customer
	store_id	Smallint	ID assigned to each of the stores
	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	ID assigned to the customers in order to identify the customers address
	activebool	Boolean	Identifies if the customer is active with 'TRUE' or 'FALSE'
	create_date	Date	Date of when the customers account was created
	last_update	Timestamp without time zone	Date and time of when the table was last updated
	active	integer	0 or 1 indicates the customers active status





LINKS TO:

TABLE	JOIN
address	customer. address_id = address. address_id
store	customer. store_id = store. store_id

LINKS FROM:

TABLE	JOIN
rental	rental. customer_id = customer. customer_id
payment	payment. customer_id = customer. customer_id




PAYMENT

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	payment_id	Integer	ID assigned to each of the payments made
	customer_id	Smallint	ID assigned to the customers
	staff_id	Smallint	ID assigned to the staffs
	rental_id	Integer	ID assigned to each rental movie
	amount	numeric	Amount of the movie rentals
	payment_date	Timestamp without time zone	Date of when the payment was made

LINKS TO:

TABLE	JOIN
customer	payment. customer_id = customer. customer_id
staff	payment. staff_id = staff. staff_id
rental	payment. rental_id = rental. rental_id

STORE

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	store_id	Integer	ID assigned to each of the stores
	manager_staff_id	Smallint	ID assigned to the managers at each of the stores
	address_id	Smallint	ID assigned to the stores to identify the store address
	last_update	Timestamp without time zone	Date and Time of when the table was last updated



LINKS TO:

TABLE	JOIN
address	store.address_id = address.address_id
staff	store.manager_staff_id = staff.staff_id

LINKS FROM:

TABLE	JOIN
staff	staff.store_id = store.store_id
customer	customer.store_id = store.store_id
inventory	inventory.store_id = store.store_id

STAFF

KEY	COLUMNS	DATA TYPES	DIMENSIONS
	staff_id	Integer	ID assigned to each of the staffs
	first_name	Character varying (45)	First name of the staffs
	last_name	Character varying (45)	Last name of the staffs
	address_id	Smallint	ID assigned to each of the staffs to identify their address
	email	Character varying (50)	Email address of the staffs
	store_id	Smallint	ID assigned to each of the stores
	active	Boolean	Identifies if the staff is active in the store with 'TRUE' or 'FALSE'
	username	Character varying (16)	Username for each of the staff
	password	Character varying (40)	Password for each of the staff
	last_update	Timestamp without time zone	Data and time of when the table was last updated
	picture	bytea	Picture of the staff if available



LINKS TO:

TABLE	JOIN
address	staff. address_id = address. address_id

LINKS FROM:

TABLE	JOIN
payment	payment. staff_id = staff. staff_id
store	store. manager_staff_id = staff. staff_id
rental	rental. customer_id = customer. customer_id

ADDRESS

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	address_id	Integer	ID assigned to each of the store, staff, and customer to identify their address
	address	Character varying (50)	Address details that include house and street number
	address 2	Character varying (50)	Address details that include street name, city name etc
	district	Character varying (20)	State or territory of the address
	city_id	Smallint	ID assigned to each of the cities
	postal_code	Character varying (10)	Postal code for each address
	phone	Character varying (20)	Contact number for each address
	last_update	Timestamp without time zone	Date and time of when the table was last updated



LINKS TO:

TABLE	JOIN
city	address. city_id = city. city_id

LINKS FROM:

TABLE	JOIN
customer	customer. address_id = address. address_id
staff	staff. address_id = address. address_id
store	store. address_id = address. address_id

CITY

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	city_id	Integer	ID assigned to each city
	city	Character varying (50)	Name of the city
	country_id	Smallint	ID assigned to each country
	last_update	Timestamp without time zone	Date and time of when the table was last updated


LINKS TO:

TABLE	JOIN
country	city. country_id = country. country_id

LINKS FROM:

TABLE	JOIN
Country	country. country_id = city. country_id
address	address. city_id = city. city_id




COUNTRY

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	country_id	Integer	ID assigned to each country
	country	Character varying (50)	Name of the country
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS FROM:

TABLE	JOIN
city	city. country_id = country. country_id

INVENTORY

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	inventory_id	Integer	ID assigned to each movie in the inventory
	film_id	Smallint	ID assigned to each of the films
	store_id	Smallint	ID assigned to each store
	last_update	Timestamp without time zone	Date and time of when the table was last updated


LINKS TO:

TABLE	JOIN
film	inventory. film_id = film. film_id
store	inventory. store_id = store. store_id

LINKS FROM:

TABLE	JOIN
rental	rental. inventory_id = inventory. inventory_id





CATEGORY

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	category_id	Integer	ID assigned to each film category
	name	Character varying(25)	Category names
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS TO:

TABLE	JOIN
film_category	film_category. category_id = category. category_id


FILM CATEGORY

KEY	COLUMNS	DATA TYPES	DESCRIPTION
 	film_id	Smallint	ID assigned to each of the films
 	category_id	Smallint	ID assigned to each film category
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS TO:

TABLE	JOIN
film	film_category. film_id = film. film_id
category	film_category. store_id = category. store_id





ACTOR

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	actor_id	Integer	ID assigned to each actor
	first_name	Character varying (45)	First name of each actor
	last_name	Character varying (45)	Last name of each actor
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS TO:

TABLE	JOIN
film_actor	film_actor. actor_id = actor. actor_id



FILM ACTOR

KEY	COLUMNS	DATA TYPES	DESCRIPTION
 	actor_id	Smallint	ID assigned to each actor
 	film_id	Smallint	ID assigned to each of the films
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS TO:

TABLE	JOIN
actor	actor. actor_id = film_actor. actor_id
film	film. film_id = film_actor. film_id

FILM

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	film_id	Integer	ID assigned to each of the films
	title	Character varying (255)	Title of the film
	description	Text	Film description
	release_year	Integer	Year of when the film was released
	language_id	Smallint	ID assigned to the films to identify the film's language
	rental_duration	Smallint	The number of days the movies were rented for
	rental_rate	Numeric	Rental cost for each of the films
	length	Smallint	Minutes of the film
	replacement_cost	Numeric	Cost to replace the film
	rating	USER-DEFINED	Each film's rating
	last_update	Timestamp without time zone	Date and time of when the table was last updated
	special_features	ARRAY	Special features that come along with each of the films
	fulltext	tsvector	Keywords that can be used to identify the films


LINKS TO:

TABLE	JOIN
language	film. language_id = language. language_id

LINKS FROM:

TABLE	JOIN
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

LANGUAGE

KEY	COLUMNS	DATA TYPES	DESCRIPTION
	language_id	Integer	ID assigned to each of the films to identify the film's language
	name	Character (20)	Language name
	last_update	Timestamp without time zone	Date and time of when the table was last updated

LINKS TO:

TABLE	JOIN
film	film. language_id = language. language_id