



ROCKBUSTER STEALTH

Data Dictionary

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1. Rockbuster Stealth





Rockbuster Stealth LLC is a movie rental company that has stores around the world and is planning to launch an online video rental store. The Rockbuster database has a Snowflake schema containing rental, payment, movies, stores and staff data.

2. Entity Relationship Diagram



3. Fact Tables

3.1. Rental

	Rental_id	INTEGER	Unique ID for rental
	Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was rented out
	Inventory_id	INTEGER	Unique ID for inventory
	Customer_id	SMALLINT	Unique ID for customer
	Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was returned to store
	Staff_id	SMALLINT	Unique ID for staff member
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was last updated





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

3.2. Payment


	Payment_id	SERIAL	Unique ID for payment
	Customer_id	SMALLINT	Unique ID for customer
	Staff_id	SMALLINT	Unique ID for staff member
	Rental_id	INTEGER	Unique ID for rental
	Amount	NUMERIC(5,2)	Unique account number
	Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date the payment was made

Linked to

Table	Join
Customer	Payment.customer_id = customer.customer_id
Inventory	Payment.rental_id = rental.rental_id
Staff	Payment.staff_id = staff.staff_id

4. Dimension Tables



4.1. Actor

	Actor_id	SERIAL	Unique ID for actor
	First_name	CHARACTER VARYING(45)	Actor's first name
	Last_name	CHARACTER VARYING(45)	Actor's last name
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated

Linked from

Table	Join
Film_actor	Film_actor.actor_id = actor.actor_id

4.2. Address

	Address_id	SERIAL	Unique ID for address
	Address	CHARACTER VARYING(50)	Address for store
	Address2	CHARACTER VARYING(50)	Address line two for store
	District	CHARACTER VARYING(20)	District store is located in
	City_id	SMALLINT	Unique ID for city
	Postal_code	CHARACTER VARYING(10)	Postal code for store
	Phone	CHARACTER VARYING(20)	Phone number for store
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated


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

	Category_id	SERIAL	Unique ID for category
	Name	CHARACTER VARYING(25)	Name
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated

Linked From

Table	Join
Film_category	Film_category.category_id = category.category_id

4.4. City

	City_id	SERIAL	Unique ID for city
	City	CHARACTER VARYING(50)	City name
	Country_id	SMALLINT	Unique ID for country
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date 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

	Country_id	SERIAL	Unique ID for country
	Country	CHARACTER VARYING(50)	Country name
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated

Linked from

Table	Join
City	City.country_id = country.country_id

4.6. Customer

	Customer_id	SERIAL	Unique ID for customer
	Store_id	SMALLINT	Unique ID for store
	First_name	CHARACTER VARYING(45)	First name of customer
	Last_name	CHARACTER VARYING(45)	Last name of customer
	e-mail	CHARACTER VARYING(50)	Customer e-mail address
	Address_id	SMALLINT	Customer address
	Activebool	BOOLEAN	Customer active or not
	Create_date	DATE	Date customer joined
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was last updated
	Active	INTEGER	Activity



Linked to

Table	Join
Store	Customer.store_id = store.store_id
Address	Customer.address_id = address.address_id

Linked from

Table	Join
Payment	Payment.customer_id = customer.customer_id
Rental	Rental.customer_id = customer.customer_id

4.7. Film

	Film_id	SERIAL	Unique ID for film
	Title	CHARACTER VARYING(255)	Title of film
	Description	TEXT	Description of film
	Release_year	YEAR	Year film was released
	Language_id	SMALLINT	Unique ID for language of film
	Rental_duration	SMALLINT	Time film is rented for
	Rental_rate	NUMERIC(4,2)	Rate film is rented for
	Length	SMALLINT	Length of film
	Replacement_cost	NUMERIC(5,2)	Cost to replace film
	Rating	Mpaa_rating	Rating of film
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated
	Special_features	TEXT	Special features in film



Linked to

Table	Join
Language	Film.language_id = language.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

	Actor_id	SMALLINT	Unique ID for actor
	Film_id	SMALLINT	Unique ID for film
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date 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

	Film_id	SMALLINT	Unique ID for film
	Category_id	SMALLINT	Unique ID for category
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated

Linked to

Table	Join
Category	Film_category.category_id = category.category_id
Film	Film_category.film_id = film.film_id

4.10. Inventory

	Inventory_id	SERIAL	Unique ID for inventory
	Film_id	SMALLINT	Unique ID for film
	Store_id	SMALLINT	Unique ID for store
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated


Linked to

Table	Join
Store	Inventory.store_id = store.store_id
Film	Inventory.film_id = film.film_id

Linked from

Table	Join
Rental	Rental.inventory_id = inventory.inventory_id




4.11. Language

	Language_id	SERIAL	Unique ID for language
	Name	CHARACTER(20)	Name
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date last updated

Linked from

Table	Join
Film	Language.language_id = film.language_id

4.12. Staff

	Staff_id	INTEGER	Unique ID for staff member
	First_name	CHARACTER VARYING(45)	First name of staff member
	Last_name	CHARACTER VARYING(45)	Last name of staff member
	Address_id	SMALLINT	Staff member address
	e-mail	CHARACTER VARYING(50)	Staff member e-mail address
	Store_id	SMALLINT	Unique ID for store
	Active	BOOLEAN	Active or not
	Username	CHARACTER VARYING(16)	Staff member username
	Password	CHARACTER VARYING(40)	Staff member password
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was last updated
	Picture	BYTEA	Staff member picture



Linked to

Table	Join
Address	Staff.address_id = address.address_id
Store	Staff.store_id = store.store_id

Linked from

Table	Join
Rental	Rental.staff_id = staff.staff_id
Payment	Payment.staff_id = staff.staff_id

4.13. Store

	Store_id	SERIAL	Unique ID for store
	Manager_staff_id	SMALLINT	Unique ID for manager
	Address_id	SMALLINT	Unique ID for address
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date it was last updated

Linked to

Table	Join
Address	Store.address_id = address.address_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