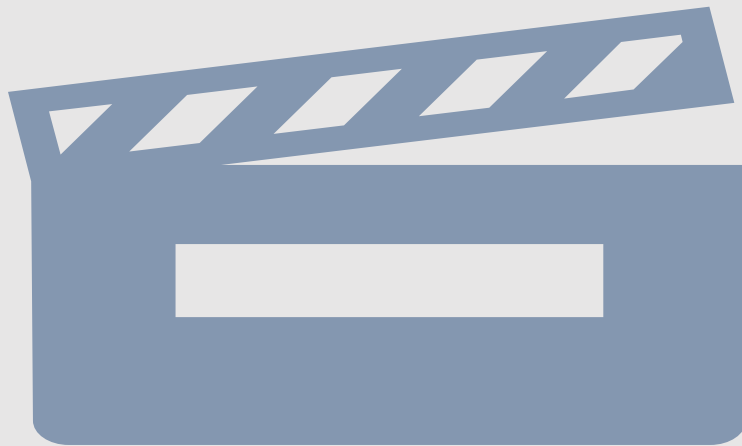


Rockbuster Stealth

Data Dictionary



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1. Entity Relationship Diagram (ERD)



2. Legend

Primary key







Foreign key



3 Table

3.1 Fact table:





Payment

	Column	Data Type	Description
	Payment_id	Serial	Unique number of a payment
	Customer_id	Smallint	Unique number of a customer
	Staff_id	Smallint	Unique number of a staff member
	Rental_id	Integer	Unique number of a rental
	Amount	Numeric (5,2)	Price of the rental
	Payment_date	Timestamp (6) without timezone	Date of the payment

Links to

Table	Join
Rental	payment.rental_id = rental.rental_id
Customer	payment.customer_id = customer.customer_id
Staff	payment.staff_id = staff.staff_id

Rental

	Column	Data Type	Description
	Rental_id	Serial	Unique number of a rental
	Rental_date	Timestamp (6) without timezone	Date of renting the movie
	Inventory_id	Integer	Unique number of an inventory
	Customer_id	Smallint	Unique number of a customer
	Return_date	Timestamp (6) without timezone	Date of returning the rented movie
	Staff_id	Smallint	Unique number of employee
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links to



Table	Join
Inventory	rental.inventory_id = inventory.inventory_id
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id

Links from

Table	Join
Payment	payment.rental_id = rental.rental_id

2.2 Dimension table:



Film_Actor

	Column	Data Type	Description
	Actor_id	Smallint	Unique number of an actor
	Film_id	Smallint	Unique number of a movie
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links to

Table	Join
Actor	film_actor.actor_id = actor.actor_id
Film	film_actor.film_id = film.film_id

Inventory

	Column	Data Type	Description
	Inventory_id	Serial	Unique number of an inventory
	Film_id	Smallint	Unique number of a movie
	Store_id	Smallint	Unique number of a store
	Last_update	Timestamp (6) without timezone	Date and time of the last update



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



Film_Category

	Column	Data Type	Description
	Film_id	Smallint	Unique number of the movie
	Category_id	Smallint	Unique number of the category
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links to

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

Customer

	Column	Data Type	Description
	Customer_id	Serial	Unique number of a customer
	Store_id	Smallint	Unique number of a store
	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 from the customer
	Address_id	Smallint	Address of the customer
	Activebool	Boolean	Active true or false
	Create_date	Date	Date of creation
	Last_update	Timestamp (6) without timezone	Date and time of the last update
	Active	Integer	If the customer account is active

Links to



Table	Join
Address	customer.address_id = address.address_id

Links from

Table	Join
Payment	payment.customer_id = customer.customer_id

Rental	rental.customer_id = customer.customer_id
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Staff

	Column	Data Type	Description
	Staff_id	Serial	Unique number of staff member
	Store_id	Smallint	Unique number of a store
	First_name	Character Varying (45)	First name of the staff member
	Last_name	Character Varying (45)	Last name of the staff member
	Email	Character Varying (50)	Email from the staff member
	Address_id	Smallint	Address of the staff member
	Activebool	Boolean	If the staff member account is active
	User_name	Character Varying (16)	Online username of the staff member
	Password	Character Varying (40)	Online password of the staff member
	Last_update	Timestamp (6) without timezone	Date and time of the last update
	Picture	Bytea	Photo of the staff member



Links to


Table	Join
Address	staff.address_id = address.address_id

Links from

Table	Join
Payment	payment.staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Store	store.address_id = staff.address_id

Store


	Column	Data Type	Description
	Store_id	Serial	Unique number of a store
	Manager_staff_id	Smallint	Unique number of a staff manager

	Address_id	Smallint	Address of the store
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links to

Table	Join
Address	store.address_id = address.address_id
Staff	store.staff_id = staff.staff_id



Actor

	Column	Data Type	Description
	Actor_id	Serial	Unique number of an 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 timezone	Date and time of the last update

Links from

Table	Join
Film_actor	film_actor.actor_id = actor.actor_id

Film

	Column	Data Type	Description
	Film_id	Serial	Unique number of a movie
	Title	Character	Title of the movie
	Description	TEXT	Description of the movie
	Release_year	Year	Year that the movie came out
	Language_id	Smallint	Unique number of the language of the movie
	Rental_duration	Smallint	How long the movie has been rented
	Rental_rate	Numeric (4,2)	Score of renting by customers
	Length	Smallint	Duration of the movie
	Replacement_cost	Numeric (5,2)	Costs to replace the rental movie

	Rating	Mpaa_rating	Which age groups can watch the movie
	Last_update	Timestamp (6) without timezone	Date and time of the last update
	Special_features	Text[]	Special features of the movie
	Fulltext	TSVECTOR	Text of the movie


Links to

Table	Join
Language	film.language_id = language.language_id

Links 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



Category

	Column	Data Type	Description
	Category_id	Serial	Unique number of the category
	Name	Character Varying (25)	Name of the language
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links from

Table	Join
Film_category	film_category.category = category.category_id

Address

	Column	Data Type	Description
	Address_id	Serial	Unique number of an address
	Address	Character Varying (50)	Address details
	Address2	Character Varying (50)	Extra address details
	District	Character Varying (20)	Name of the district
	City_id	Smallint	Unique city number

	Postal_code	Character Varying (10)	Postal code details
	Phone	Character Varying (20)	Phone number
	Last_update	Timestamp (6) without timezone	Date and time of the last update


Links to

Table	Join
City	address.city_id = city.city_id

Links from

Table	Join
Store	store.address_id = address.address_id
Staff	staff.address_id = address.address_id
Customer	customer.address_id = address.address_id



Language

	Column	Data Type	Description
	Language_id	Serial	Unique number of the language of the movie
	Name	Character (20)	Name of the language
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links from

Table	Join
Film	film.language_id = language.language_id

City

	Column	Data Type	Description
	City_id	Serial	Unique city number
	City	Character Varying (50)	Name of the city
	Country_id	Smallint	Unique country number
	Last_update	Timestamp (6) without timezone	Date and time of the last update


Links to

Table	Join
Country	city.country_id = country.country_id

Links from

Table	Join
Address	address.city_id = city.city_id

Country

	Column	Data Type	Description
	Country_id	Smallint	Unique country number
	Country	Character Varying (50)	Name of the country
	Last_update	Timestamp (6) without timezone	Date and time of the last update

Links from

Table	Join
Country	city.country_id = country.country_id