ROCKBUSTER STEALTH DATA DICTIONARY

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FACT TABLES

Rental

Key	Columns	Data Type	Description
PK	Rental_id	Integer	Primary key, the unique identifier of the rental transaction (unique key)
	Rental_date	Timestamp without time zone	The date of the rental transaction
FK	Inventory_id	Integer	Foreign key, the unique identifier of the inventory
FK	Customer_id	Smallint	Foreign key, the unique identifier of the customer who rented
	Return_date	Timestamp without time zone	The date where the rental has to be returned
FK	Staff_id	Smallint	Foreign key, the unique identifier of the staff member who executed the rental
	Last_update	Timestamp without time zone	The date and time of the last update

Links to: payment (payment_id)

Links from: *inventory (inventory_id), customer (customer_id), staff (staff_id)*

FACT TABLES

Payment

Key	Columns	Data Type	Description
PK	Payment_id	Integer	Primary key, the unique identifier of the payment (unique id)
FK	Customer_id	smallint	Foreign key, the unique identifier of the customer
FK	Staff_id	smallint	Foreign key, the unique identifier of the staff member
FK	Rental_id	integer	Foreign key, the unique identifier of the rental
	Amount	numeric	The amount of the payment
	Payment_date	Timestamp without time zone	The date and time of the payment

Links to: /

Links from: *customer (customer_id), staff (staff_id), rental (rental_id)*

DIMENSION TABLES

Actor

Key	Columns	Data Type	Description
PK	Actor_id	integer	Primary key, the unique identifier of the actor
	First_name	Character varying (45)	The first name of the actor
	Last_name	Character varying (45)	The last name of the actor
	Last_update	Timestamp without time zone	The date and time of the last update made to the actor

Links to: film_actor (actor_id)

Links from: /

DIMENSION TABLES

Address

Key	Columns	Data Type	Description
PK	Address_id	Integer	Primary key, the unique identifier for the address
	Address	Character varying (50)	First address line
	Address2	Character varying (50)	Second address line
	District	Character varying (20)	The district of the address
FK	City_id	smallint	Foreign key, the city of the address
	Postal_code	Character varying (10)	The postal code of the address
	Phone	Character varying (20)	The phone number of the address
	Last_update	Timestamp without time zone	The date and time of the last update made to the address

Links to: *store (address_id), staff (address_id), customer (address_id)*

Links from: city (city_id)

DIMENSION TABLES

Category

Key	Columns	Data Type	Description
PK	Category_id	Integer	Primary key, unique identifier for category of film
	Name	Character varying (25)	The category of the film
	Last_update	Timestamp without time zone	The date and time of the last update made to category

Links to: *film_category (category_id)*

Links from: */*

City

Key	Columns	Data Type	Description
PK	City_Id	integer	Primary key, the unique identifier for the city
	City	Character varying (50)	The city belonging to the address
FK	Country_id	smallint	Foreign key, the country belonging to the address
	Last_update	Timestamp without time zone	Date and time of the last update made to the city

Links to: *address (city_id)*

Links from: *country (country_id)*

DIMENSION TABLES

Country

Key	Columns	Data Type	Description
PK	Country_id	integer	Primary key, the unique identifier of the country
	Country	Character varying (50)	The Country belonging to the address
	Last_update	Timestamp without time zone	Date and time of the last update made to the country

Links to: *city (country_id)*

Links from: */*

DIMENSION TABLES

Customer

Key	Columns	Data Type	Description
PK	Customer_id	Integer	Primary key, the unique identifier of the customer
FK	Store_id	Smallint	The unique identifier of the store
	First_name	Character varying (45)	The first name of the customer
	Last_name	Character varying (45)	The last name of the customer
	email	Character varying (50)	The e-mail address of the customer
FK	Address_id	smallint	Foreign key, unique identifier of customer's address
	Activebool	boolean	The active status (ture or false)
	Create_date	Date	The date the customer was created in system
	Last_update	Timestamp without time zone	The date of the last update
	Active	integer	Number to indicate active status of customer

Links to: payment (customer_id), rental (customer_id)

Links from: address (address_id)

DIMENSION TABLES

Film

Key	Columns	Data Type	Description
PK	Film_id	Integer	Primary key, unique identifier of film
	Title	Character varying (255)	The title of the film
	Description	Text	The description of the film
	Release_year	Integer	The year the film was released
FK	Language_id	Smallint	Foreign key, the original language of the film
	Rental_duration	Smallint	The rental duration of the film
	Rental_rate	Numeric	The rental rate of the film
	Length	Smallint	The length of the film
	Replacement_cost	Numeric	The cost of replacing the film
	Rating	User-defined	The rating of the film
	Last_update	Timestamp without time zone	The date and time of the last update made to the film
	Special_features	Array	The special features of the film
	Fulltext	tsvector	The full text of the film

Links to: inventory (film_id), film_actor (film_id), film_category (film_id)

Links from: language (language_id)

DIMENSION TABLES

Film_actor

Key	Columns	Data Type	Description
FK, PK	Actor_id	smallint	Combined primary key and foreign key, the unique identifier of the actor
FK, PK	Film_id	smallint	Combined primary key and foreign key, the unique identifier of the film
	Last_update	Timestamp without time zone	The date and time of the last update made to Film_actor

Links to: actor (actor_id), film (film_id)

Links from: /

Film_category

Key	Columns	Data Type	Description
FK, PK	Film_id	smallint	Combined primary key and foreign key, unique identifier of film
FK, PK	Category_id	smallint	Combined primary key and foreign key, unique identifier of category of film
	Last_update	Timestamp without time zone	The date and time of the last update made to the film category

Links to: film (film_id), category (category_id)

Links from: /

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DIMENSION TABLES

Inventory

Key	Columns	Data Type	Description
PK	Inventory_id	Integer	Primary key, the unique identifier of the inventory
FK	Film_id	Smallint	Foreign key, the unique identifier of the film
FK	Store_id	Smallint	The unique identifier of the store
	Last_update	Timestamp without time zone	The date and time of the last update

Links to: rental (inventory_id)

Links from: film (film_id), store (store_id)

Language

Key	Columns	Data Type	Description
FK,	Language_id	Integer	Primary key, unique identifier of film language
	Name	Character (20)	The language of the film
	Last_update	Timestamp without time zone	The date and time of the last update made to language

Links to: film (language_id)

Links from: /

DIMENSION TABLES

Staff

Key	Columns	Data Type	Description
PK	Staff_id	Integer	Primary key, the unique identifier of the staff member
	First_name	Character varying (45)	The first name of the staff member
	Last_name	Character varying (45)	The last name of the staff member
FK	Address_id	Smallint	Foreign key, unique identifier of the address of the staff member
	Email	Character varying (50)	The email address of the staff member
FK	Store_id	Smallint	The unique identifier for the store
	Active	Boolean	The active status (ture or false)
	Username	Character varying (16)	The username of the staff member
	Password	Character varying (40)	The password of the staff member
	Last_update	Timestamp without time zone	The date and time of the last update made
	Picture	bytea	The picture of the staff member

Links to: rental (staff_id), payment (staff_id), store (manager_staff_id)

Links from: address (address_id)

DIMENSION TABLES

Store

Key	Columns	Data Type	Description
PK	Store_id	Integer	Primary key, unique identifier of the store
FK	Manager_staff_id	smallint	Foreign key, the unique identifier of the staff manager who is the manager of the store
FK	Address_id	smallint	Foreign key, the unique identifier of the address of the store
	Last_update	Timestamp without time zone	The date and time of the last update made to the store

Links to: *inventory (store_id)*

Links from: *staff (staff_id), address (address_id)*

APPENDIX

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