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Rockbuster

Data Dictionary



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ROCKBUSTER STEALTH

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1 Entity Relationship Diagram (ERD)



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2 Facts Table

2.1 Rental

Column	Data Type	Description	Key	Link to	Link from
rental_id	Serial	Number assigned to rental	Primary		payment
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental			
inventory_id	INTEGER	Number assigned to item in table	Foreign	inventory	
customer_id	SMALLINT	Number assigned to customer	Foreign	customer	
return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental return			
staff_id	SMALLINT	Number assigned to staff member	Foreign	staff	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

2.2 Payment

Column	Data Type	Description	Key	Link to	Link from
payment_id	SERIAL	Number assigned to payment	Primary		
customer_id	SMALLINT	Number assigned to customer	Foreign	customer	
staff_id	SMALLINT	Number assigned to employee	Foreign	staff	
rental_id	INTEGER	Number assigned to rental	Foreign	rental	
amount	NUMERIC (5,2)	Amount paid			
payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment			

3 Dimension Tables

3.1 Store

Column	Data Type	Description	Key	Link to	Link from
store_id	SERIAL	Number assigned to store	Primary		
manager_staff_id	SMALLINT	Number assigned to store manager	Foreign	staff	
address_id	SMALLINT	Number assigned to store address	Foreign	address	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.2 Film_actor

Column	Data Type	Description	Key	Link to	Link from
actor_id	SMALLINT	Number assigned to actor	Primary	actor	
film_id	SMALLINT	Number assigned to film	Primary	film	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.3 Inventory

Column	Data Type	Description	Key	Link to	Link from
inventory_id	SERIAL	Number assigned to item	Primary		rental
film_id	SMALLINT	Number assigned to film	Foreign	film	
store_id	SMALLINT	Number assigned to store			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.4 Film_category

Column	Data Type	Description	Key	Link to	Link from
film_id	SMALLINT	Number assigned to film	Primary	film	
film_category	SMALLINT	Number assigned to genre/category	Primary	category	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.5 Customer

Column	Data Type	Description	Key	Link to	Link from
customer_id	SERIAL	Number assigned to customer	Primary		Payment, rental
store_id	SMALLINT	Number assigned to store			
first_name	CHARACTERVARYING(50)	First name of customer			
last_name	CHARACTERVARYING(45)	Last name of customer			
email	CHARACTERVARYING(50)	Email address of customer			
address_id	SMALLINT	Number assigned to customer's address	Foreign	address	
activebool	BOOLEAN	Customer's active status			
create_date	DATE	Date entry was created			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			
active	INTGER	Customer's active status			

3.6 Staff

Column	Data Type	Description	Key	Link to	Link from
staff_id	SERIAL	Number assigned to employee	Primary		rental
first_name	CHARACTERVARYING(45)	First name of employee			payment
last_name	CHARACTERVARYING(45)	Last name of employee			store
address_id	SMALLINT	Number assigned to employee's address	Foreign	address	
email	CHARACTERVARYING(50)	Email address of employee			
store_id	SMALLINT	Number assigned to store			
active	BOOLEAN	Employee active status			
username	CHARACTERVARYING(16)	Username of employee			
password	CHARACTERVARYING(40)	Password of employee			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			
picture	BYTEA	Picture of employee			

3.7 Actor

Column	Data Type	Description	Key	Link to	Link from
actor_id	SERIAL	Number assigned to actor	Primary		film_actor
first_name	CHARACTERVARYING(45)	First name of actor			
last_name	CHARACTERVARYING(45)	Last name of actor			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.8 Film

Column	Data Type	Description	Key	Link to	Link from
film_id	SERIAL	Number assigned to film	Primary		film_actor
title	CHARACTERVARYING(45)	Title of film			inventory
description	TEXT	Description of film			film_category
release_year	year	Release year of film			
language_id	SMALLINT	Number assigned to film language	Foreign	language	
rental_duration	SMALLINT	Length of film rental			
rental_rate	NUMERIC(4,2)	Price of film			
length	SMALLINT	Length of film			
replacement_cost	NUMERIC(5,2)	Cost of replace of film			
rating	mpaa_rating	Film rating			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated			
special_features	TEXT []	Special features included with film			
fulltext	TSVECTOR	Keywords associated with film			

3.9 Category

Column	Data Type	Description	Key	Link to	Link from
language_id	SERIAL	Number assigned to language	Primary		film_category
name	CHARACTERVARYING(20)	Name of language			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.10 Address

Column	Data Type	Description	Key	Link to	Link from
address_id	SERIAL	Number assigned to address	Primary		customer
address	CHARACTERVARYING(50)	Street address			staff
address2	CHARACTERVARYING(50)	Supplementary street address			store
district	CHARACTERVARYING(20)	District			
city_id	SMALLINT	Number assigned to City	Foreign	city	
postal_code	CHARACTERVARYING(10)	Postal code			
phone	CHARACTERVARYING(20)	Phone number			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.11 Language

Column	Data Type	Description	Key	Link to	Link from
language_id	SERIAL	Number assigned to language	Primary		film
name	CHARACTERVARYING(20)	Name of language			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.12 City

Column	Data Type	Description	Key	Link to	Link from
city_id	SERIAL	Number assigned to city	Primary		address
city	CHARACTERVARYING(20)	Name of city			
country_id	SMALLINT	Number assigned to country	Foreign	country	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			

3.13 Country

Column	Data Type	Description	Key	Link to	Link from
country_id	SERIAL	Number assigned to country	Primary		city
country	CHARACTERVARYING(50)	Name of country			
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated			