

Rockbuster Stealth

# Data Dictionary

ERD – Facts Tables - Dimension Tables

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## ERD – Entity Relation Diagram



## Facts Tables

### Payment

Column	Data Type	Description
payment_id	integer	Primary key, unique number of a payment
customer_id	smallint	Unique number of customer
staff_id	smallint	Unique number of staff members
rental_id	integer	The unique number of rental transactions
amount	numeric (5,2)	Price of a rental transaction
payment_date	timestamp without a time zone	Date and time of a payment

### Rental

Column	Data Type	Description
rental_id	integer	Primary key, unique number of a rental transaction
rental_date	Timestamp without time zone	Date and time of a rental transaction
inventory_id	integer	Unique number of a film in the inventory
customer_id	smallint	Unique number of customer
return_date	timestamp without a time zone	Date of the end of a rental transaction
staff_id	smallint	Unique number of staff members
last_update	timestamp without a time zone	Date and time of last update in this database

## Dimensions Tables

### Actor

Column	Data Type	Description
actor_id	integer	Primary key, unique number for an actor
first_name	character varying (45)	Actors first name, max length 45 characters
last_name	character varying (45)	Actor's last name, max length 45 characters
last_update	timestamp without a time zone	Date and time of last update in this database

### Address

Column	Data Type	Description
address_id	integer	Primary key, unique number assigned to an address
address	character varying (50)	Address in this database first line (street no. and street name)
address2	character varying (50)	Address in this database, second line
district	character varying (20)	District of an address in this database
city_id	smallint	The foreign key is the unique number of a city in this database (linked to the city table)
postal_code	character varying (10)	Postal code in this database, max length 10 characters
phone	character varying (20)	Phone number related to an address in this database, max length 20 characters
last_update	timestamp without a time zone	Date and time of last update in this database

### Category

Column	Data Type	Description
category_id	integer	Primary key, unique number for a film category in this database
name	character varying (25)	Name of a film category in this database, max length 25 characters
last_update	timestamp without a time zone	Date and time of last update in this database

### City

Column	Data Type	Description
city_id	integer	Primary key, unique number for a city in this database

city	character varying (50)	City name if an address in this database
country_id	smallint	Foreign key, a unique number for a country in this database, lined to the country table
last_update	timestamp without a time zone	Date and time of last update in this database

### Country

Column	Data Type	Description
country_id	integer	The primary key, a unique number for a country in this database
country	character varying (50)	Country name of an address in this database, max length 50 characters
last_uptade	timestamp without a time zone	Date and time of last update in this database

### Customer

Column	Data Type	Description
customer_id	integer	The primary key, a unique number used for a customer in this database
store_id	smallint	Unique number for a Rockbuster store
first_name	character varying (45)	Customer-first name, max length 45 characters
last_name	character varying (45)	Customer last name, max length 45 characters
email	character varying (50)	Customer email, max length 50 characters
address_id	smallint	Foreign key, customer address linked to the address table
activebool	Boolean	True or false statements to indicate the customer account status. Boolean data can hold three possible values: true, false, or null
create_date	date	Date when customer account was created
last_update	timestamp without a time zone	Date and time of last update in this database
active	integer	A number (1,0) to identify if the customer account is active

### Film

Column	Data Type	Description
film_id	integer	Primary key, the unique number for a rental film in this database
title	character varying (255)	Title of the film, max length 255 characters
description	text	Film description, no max length
release_year	integer	Release year of the film
language_id	smallint	Foreign key, a unique number for the language of a film, linked to the language table
rental_duration	smallint	Duration of the rental transaction
rental_rate	numeric (4,2)	Rating of the film max 4 digits, including 2 digits after comma
length	smallint	Length of the film in minutes
replacement_cost	numeric (5,2)	Cost of the film if lost by a customer, max length 5 digits, including 2 digits after comma
rating	mpaa_rating	Film rating introduced by the Movie Picture Association
last_update	timestamp without a time zone	Date and time of last update in this database
special_features	text	Extra video materials included in the rental transaction
fulltext	tsvector	Text-searchable data where we can use a word as an index

### Film\_actor

Column	Data Type	Description
actor_id	smallint	Primary key, a unique number for an actor in this database, is linked to the actor table
film_id	smallint	composite key, a unique number for a film in this database, linked to the film table
last_update	timestamp without a time zone	Date and time of last update in this database

### Film\_category

Column	Data Type	Description
film_id	smallint	Composite key, unique number for a film in this database, linked to the film table

category_id	smallint	Composite key, unique category number in this database, linked to category table
last_update	timestamp without a time zone	Date and time of last update in this database

### Inventory

Column	Data Type	Description
inventory_id	integer	Primary key, the unique inventory number for a film in this database
film_id	smallint	foreign key, unique number for a film in this database, linked to the film table
store_id	smallint	Unique number for a Rockbuster store
last_update	timestamp without a time zone	Date and time of last update in this database

### Language

Column	Data Type	Description
language_id	integer	primary key, unique number for a language in this database
name	character	Name of a language in the films
last_update	timestamp without a time zone	Date and time of last update in this database

### Staff

Column	Data Type	Description
staff_id	integer	Primary key, unique number for a staff member in Rockbuster
first_name	character varying (45)	Staff first name
last_name	character varying (45)	Staff last name
address_id	smallint	Foreign key, staff member address, linked to the address table
email	character varying (50)	Staff members email
store_id	smallint	Unique number for a Rockbuster store
active	Boolean	True or false statements to indicate the customer account status. Boolean data can hold three possible values: true, false, or null
username	character varying (16)	Staff members username
password	character varying (40)	Staff members password
last_update	timestamp without a time zone	Date and time of last update in this database



picture	bytes	Staff members photo
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### Store

Column	Data Type	Description
store_id	integer	Primary key, unique number for a store
manager_staff_id	smallint	The foreign key, a unique number for a manager, linked to the staff table
address_id	smallint	Foreign key, unique number for a store address, linked to the address table
last_update	timestamp without a time zone	Date and time of last update in this database