

SERGEY KHRAPK

ROCKBUSTER STEALTH

Data Dictionary

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1. Relations/Overall schema



Fig. 1. Relations between tables/Overall schema

2.1. Fact tables

There are two main **fact tables** “**rental**”, which contains information about rental_id (serial), rental_date (date), inventory_id (integer), customer_id (smallint), return_date (date), staff_id (smallint), last_update (date) and “**payment**”, which contains information about payment_id (serial), customer_id (smallint), staff_id (smallint), rental_id (integer), amount (numeric) and payment_date (date).

The two fact tables are related via the key “rental_id”

payment table is further connected with customer table via customer_id and with staff table via staff_id

rental table is connected with customer table via customer_id, with staff table via staff_id and with inventory via inventory_id

2.2 Dim tables

The two fact tables are surrounded by 13 dim tables of various categories:

2.2.1 Film Information:

film_category is connected with category via category_id and to film via film_id

category is connected only with film_category and

film in addition to film_category is connected with language via language_id and with inventory via film_id

inventory is further connected with rental via inventory_id, film_actor via film_id and with film via film_id

actor is connected with film_actor via actor_id

language is connected with film as described

2.2.2 Customer Information:

Table customer is connected with payment and rental and in addition with address via address_id.

2.2.3. Staff information

Table staff is connected with payment and rental via staff_id and with store and address via address_id

2.2.4 Store information

Table store is connected with staff via staff_id and with address via address_id

2.2.5. Address information

Address information of customers and stores is stored in the table address, which is connected with city via city_id, which in turn is connected with country via country_id