ROCKBUSTER STEALTH LLC
DATA DICTIONARY

Abstract

This document describes the Rockbuster Stealth database content and structure

Michael Kieda

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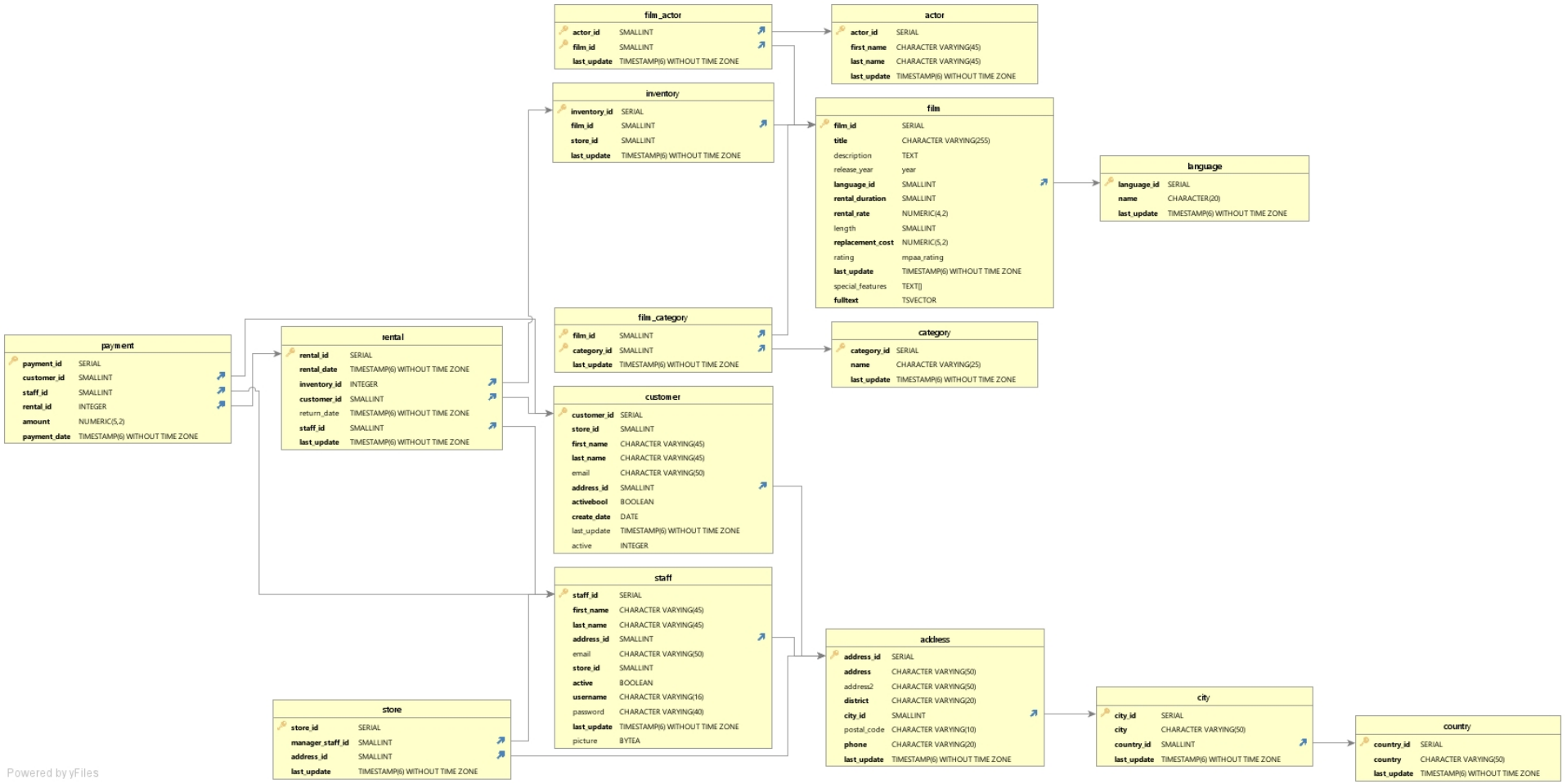
1 Entity Relationship Diagram



2 Tables

2.1 Fact Table: payment

Key Type	Linked Table(s)	Column	Data Type	Description
Primary		payment_id	serial	Payment identifier number
Foreign	Customer	customer_id	small int	customer identifier number
Foreign	staff	staff_id	small int	Employee identifier number
Foreign	rental	rental_id	integer	rental identifier number
		amount	numeric	Payment amount
		payment_date	timestamp	Payment date

2.2 Dimension Table: rental

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	payment	rental_id	serial	rental identifier number
		rental_date	timestamp	Rental date
Foreign	inventory	inventory_id	integer	inventory identifier number
Foreign	customer	customer_id	small int	customer identifier number
		return_date	timestamp	License/media Return date
Foreign	staff	staff_id	small int	employee identifier number

2.3 Dimension Table: customer

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	rental, payment	customer_id	serial	customer identifier number
		store_id	small int	Store address identifier number
		first_name	varchar	Customer first name
		last_name	varchar	Customer last name
		email	varchar	Customer email address
Foreign	address	address_id	small int	Email address identifier number
		activebool	bool	Customer status
		create_date	date	Customer record creation date
		last_update	timestamp	Date customer table last modified
		active	integer	Customer status

2.4 Dimension Table: staff

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	payment, public, rental	staff_id	serial	staff identifier number
		first_name	varchar	Employee first name
		last_name	varchar	Employee last name
Foreign	address	address_id	small int	store address identifier number
		email	varchar	Employee email address
		store_id	small int	identifier number
		active	bool	Employee status
		username	varchar	Employee login name
		password	varchar	Employee password
		last_update	timestamp	Date employee table last modified
		picture	bytea	Employee photo

2.5 Dimension Table: actor

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	film_actor	actor_id	serial	Actor identifier number
		first_name	varchar	Actor first name
		last_name	varchar	Actor last name
		last_update	timestamp	Date actor table last modified

2.6 Dimension Table: address

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	customer, staff, store	address_id	serial	Store address identifier number
		address	varchar	Store address
		address2	varchar	unused
		district	varchar	Store location region (state, province, etc)
Foreign	city	city_id	small int	Store location city
		postal_code	varchar	Store postal code
		phone	varchar	Store phone number
		last_update	timestamp	Date store record last modified

2.7 Dimension Table: category

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	film_category	category_id	serial	Film category identifier number
		name	varchar	Film category name
		last_update	timestamp	Date category record last modified

2.8 Dimension Table: city

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	address	city_id	serial	city identifier number
		city	varchar	city name
Foreign	country	country_id	small int	country identifier number
		last_update	timestamp	Date city record last modified

2.9 Dimension Table: country

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	city	country_id	serial	country identifier number
		country	varchar	Country name
		last_update	timestamp	Date country record last modified

2.10 Dimension Table: language

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	film	language_id	serial	language identifier number
		name	char	Language name
		last_update	timestamp	Date language record last modified

2.11 Dimension Table: film

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	film_actor, film_category, inventory	film_id	serial	film identifier number
		title	varchar	Film title
		description	text	File description
		release_year	year	Film release year
Foreign	language	language_id	small int	Film language identifier number
		rental_duration	small int	Film rental duration
		rental_rate	numeric	Film rental rate
		length	small int	Film length
		replacement_cost	numeric	Film license/media replacement cost
		rating	mpaa_rating	Film audience rating (G, PG, R, etc)
		last_update	timestamp	Date film record last modified
		special_features	text	Bonus material (deleted scenes, etc)
		fulltext	tsvector	Search words from the description*

2.12 Dimension Table: film_actor

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	actor	actor_id	small int	actor identifier number
Foreign	film	film_id	small int	film identifier number
		last_update	timestamp	Date film_actor record last modified

2.13 Dimension Table: film_category

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	film	film_id	small int	film identifier number
Foreign	category	category_id	small int	Film category identifier number
		last_update	timestamp	Date film_category record last modified

2.14 Dimension Table: inventory

Key Type	Linked Table(s)	Column	Data Type	Description
Primary	rental	inventory_id	serial	inventory identifier number
Foreign	film	film_id	small int	film identifier number
		store_id	small int	store identifier number
		last_update	timestamp	Date inventory record last modified

2.15 Dimension Table: store

Key Type	Linked Table(s)	Column	Data Type	Description
Primary		store_id	serial	Store identifier number
Foreign	staff	manager_staff_id	small int	Store manager employee identifier number
Foreign	address	address_id	small int	Store address identifier number
		last_update	timestamp	Date store record last modified