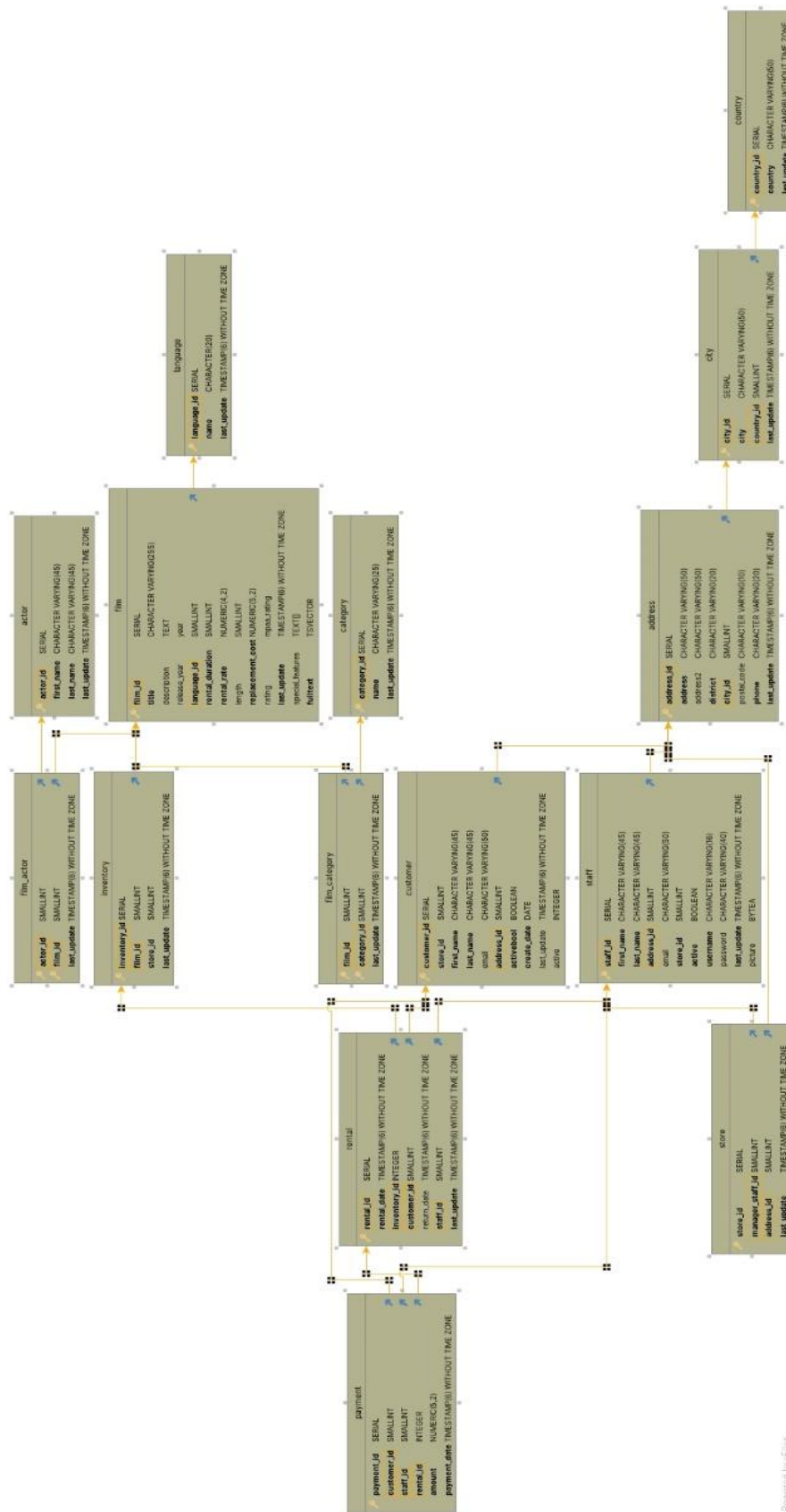# DATA DICTIONARY

ROCKBUSTER STEALTH ANALYSIS

by Kilian Loeffner

Table of Content

Entity Relationship Diagram (ERD)

Fact Table

PAYMENT TABLE

KEY	Column	Data Type	Description
PRIMARY	payment_id	serial	Unique identifier for payment
	customer_id	smallint	Unique identifier for customer
	staff_id	smallint	Unique identifier for staff
	rental_id	integer	Unique identifier for rental
	amount	Numeric(5,2)	numerical value for amount
	payment_date	Timestamp(6) w/o Time Zone	Payment date and time, timestamped w/o time zone

Links To:

TABLE	LINK
Customer	payment.customer_id = customer.customer_id
Staff	payment.staff_id = staff.staff_if
Rental	payment.rental_id = rental.rental_id

Links From: N/A

RENTAL TABLE

KEY	Column	Data Type	Description
PRIMARY	rental_id	Serial	Unique identifier for rental
	rental_date	Timestamp(6) w/o Time zone	Rental date and time, timestamped w/o time zone
Foreign	inventory_id	integer	Unique identifier for inventory
Foreign	customer_Id	smallint	Unique identifier for customer
	return_date	Timestamp(6) w/o time zone	Return date and time, timestamped w/o time zone
Foreign	staff_id	smallint	Unique identifier for staff
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Inventory	rental.inventory_id = inventory.inventory_id
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id

Links From:

TABLE	LINK
Payment	payment.rental_id = rental.rental_id

Dimension Table

STORE TABLE

KEY	Column	Data Type	Description
Primary	store_id	serial	Unique identifier for store
Foreign	manager_staff_id	smallint	Unique identifier for manager staff
Foreign	address_id	smallint	Unique identifier for address
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Staff	store.manager_staff_id = staff.staff_id
Address	store.address_id = address.address_id

Links From: N/A

FILM ACTOR TABLE

KEY	Column	Data Type	Description
Primary/Foreign	actor_id	smallint	Unique identifier for actor
Primary/Foreign	film_id	smallint	Unique identifier for film
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Actor	Film_actor.actor_id=Actor.actor_id
Film	Film_actor.film_id=Film.film_id

Links From: N/A

INVENTORY TABLE

KEY	Column	Data Type	Description
Primary	inventory_id	serial	Unique identifier for inventory
Foreign	film_id	smallint	Unique identifier for film
Foreign	store_id	smallint	Unique identifier for store
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Film	Inventory.film_id=Film.film_id

Links From:

TABLE	LINK
Rental	Rental.inventory_id=Inventory.inventory_id

FILM CATEGORY TABLE

KEY	Column	Data Type	Description
Primary/Foreign	film_id	smallint	Unique identifier for film
Primary/Foreign	category_id	smallint	Unique identifier for category
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Film	Film_category.film_id=Film.film_id
Category	Film_category.category_id=Category.category_id

Links From: N/A

CUSTOMER TABLE

KEY	Column	Data Type	Description
Primary	customer_id	serial	Unique identifier for customer
Foreign	store_id	smallint	Unique identifier for store
	first_name	Character varying(45)	Customer first name
	last_name	Character varying(45)	Customer last name
	email	Character varying(45)	Customer E-Mail
Foreign	address_id	smallint	Unique identifier for address
	activebool	boolean	Status if customer is active
	create_date	Date	Date of when customer was created in the system
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	active	integer	number

Links To:

TABLE	LINK
Address	Customer.address_id=address.address_id
Store	Customer.store_id=store.store_id

Links From:

TABLE	LINK
Rental	Rental.inventory_id=Inventory.inventory_id

STAFF TABLE

KEY	Column	Data Type	Description
Primary	staff_id	serial	Unique identifier of staff
	first_name	Character varying(45)	First name of staff
	last_name	Character varying(45)	Last name of staff
Foreign	address_id	smallint	Unique identifier for address
	email	Character varying(45)	Email for staff
Foreign	store_id	smallint	Unique identifier for store
	active	Boolean	Status if currently employed
	Username	Character varying(16)	Username of staff member
	password	Character varying(40)	password of staff member
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	picture	Bytea	Picture of staff

Links To:

TABLE	LINK
Address	Staff.Address_id=Address.address_id

Links From:

TABLE	LINK
Rental	Rental.Staff_id=Staff.staff_id
Store	Store.store_id=staff.store_id

ACTOR TABLE

KEY	Column	Data Type	Description
Primary	actor_id	serial	Unique identifier for actor
	first_name	Character varying(45)	Actor first name
	Last_name	Character varying(45)	Actor last name
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To: N/A

Links From:

TABLE	LINK
Film_actor	Actor.actor_id=film_actor.actor_id

FILM TABLE

KEY	Column	Data Type	Description
Primary	film_id	serial	Unique identifier for the film
	title	Character varying(255)	Title of the film
	description	text	Description of the film
	release_year	year	release year of the film
Foreign	language_id	smallint	Unique identifier for language
	rental_duration	smallint	Duration of the rental
	rental_rate	numeric(4,2)	Rate of the Rental
	length	smallint	Filmlenght
	replacement_cost	numeric(5,2)	Cost to replace the film
	rating	mpaa_rating	Filmrating
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	Special features	text[]	Special features of the film
	fulltext	TSVECTOR	Index type, full text index

Links To:

TABLE	LINK
Language	Film.language_id=Language.Language_id

Links From:

TABLE	LINK
Film_actor	Film_actor.film_id=Film.film_id
Film_category	Film_category.film_id=Film.film_id

LANGUAGE TABLE

KEY	Column	Data Type	Description
Primary	language _id	serial	Unique identifier for the language
	name	character(20)	Name of the language
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To: N/A

Links From:

TABLE	LINK
Film	Film.language_id=Language.language_id

CATEGORY TABLE

KEY	Column	Data Type	Description
Primary	category_id	serial	Unique identifier for category
	name	Character varying(25)	Name for category
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To: N/A

Links From:

TABLE	LINK
Film_category	Category.category_id=film_category.category_id

ADDRESS TABLE

KEY	Column	Data Type	Description
Primary	address_id	serial	Unique identifier for address
	address	Character varying(50)	First line of address
	address2	Character varying(50)	Second line of address
	district	Character varying(20)	Region of the address
Foreign	city_id	smallint	Unique identifier for city
	postal_code	Character varying(10)	Postal code for the address
	phone	Character varying(20)	Phone number for the address
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
City	Address.City_id=City.city_id

Links From:

TABLE	LINK
Customer	Customer.Address_id=Address.address_id
Store	Store.Address_id=Address.address_id
Staff	Staff.Address_id=Address.address_id

CITY TABLE

KEY	Column	Data Type	Description
Primary	city_id	serial	Unique identifier for city
	city	Character varying(50)	Name of the city
Foreign	country_id	smallint	Unique identifier for country
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links To:

TABLE	LINK
Country	City.country_id=Country.country_id

Links From:

TABLE	LINK
Address	Address.city_id=City.city_id