



DATA DICTIONARY

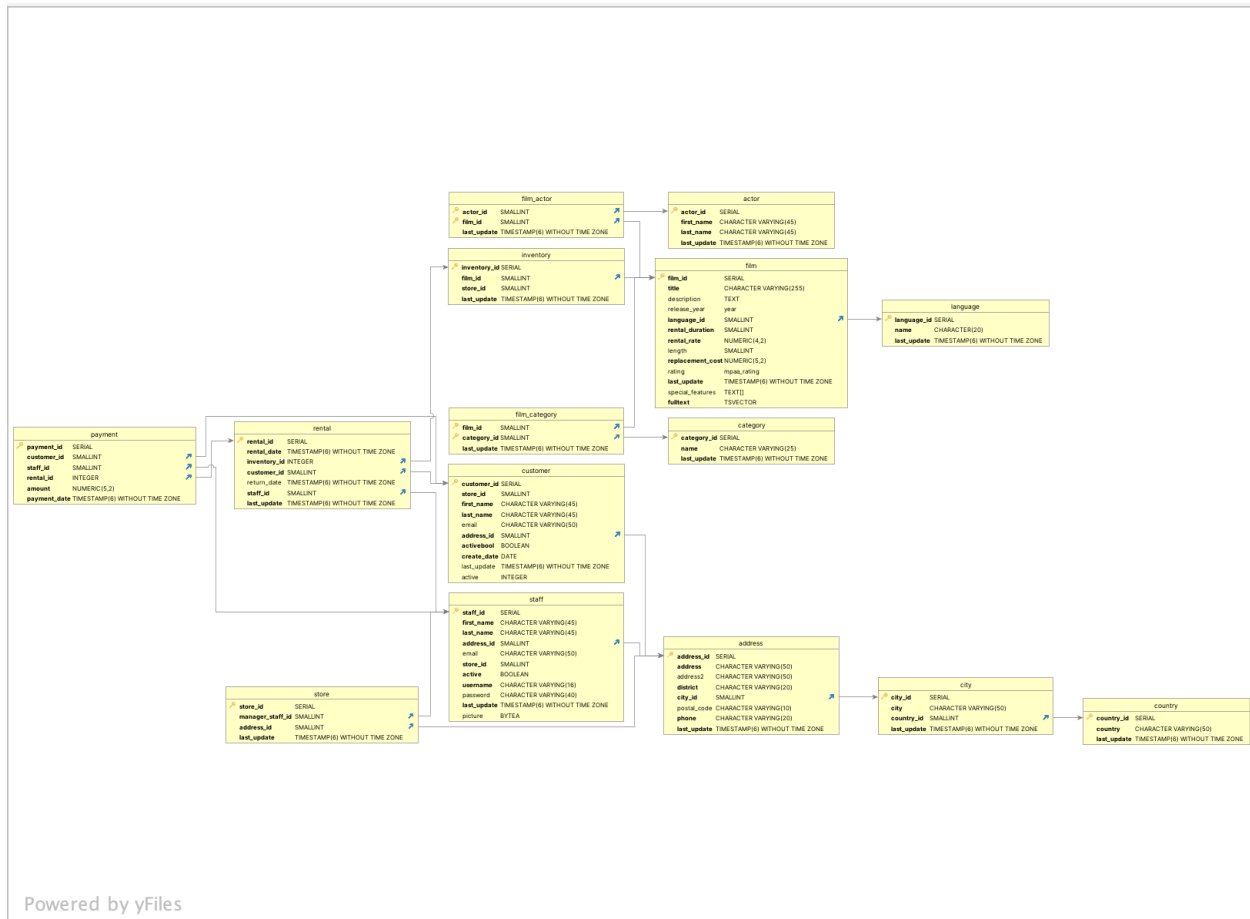


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Table of Contents

Entity Relationship Diagram (ERD).....	2
Legend	2
Tables.....	2
Fact Tables	2
Payment.....	2
Rental.....	3
Dimension Tables.....	4
Store	4
Film actor	4
Inventory	5
Film category	5
Customer	6
Staff.....	6
Actor	7
Film	8
Category	9
Address.....	9
Language.....	10
City.....	10
Country.....	10

Entity Relationship Diagram (ERD)



Legend



- Primary Key






- Foreign Key

Tables

Fact Tables

Payment





Key	Columns	Data Type	Description
	payment_id	serial	primary key, id number assigned to

			payment
	customer_id	smallint	id number assigned to customer
	staff_id	smallint	id number assigned to staff member
	rental_id	integer	id number assigned to rental
	amount	numeric(5,2)	cost of rental
	payment_date	timestamp(6) without time zone	date of payment of rental movie

Links to:

Table	Join
Rental	payment.rental_id=rental.rental_id
Customer	payment.customer_id=customer.customer_id
Staff	payment.staff_id=staff.staff_id

Rental

Key	Columns	Data Type	Description
	rental_id	serial	primary key, id number assigned to rental
	rental_date	timestamp(6) without time zone	date rental movie was checked out
	inventory_id	integer	id number assigned to movie
	customer_id	smallint	id number assigned to customer
	return_date	timestamp(6) without time zone	date rental movie was returned
	staff_id	smallint	id number assigned to staff member
	last_update	timestamp(6) without time zone	date last updated

Links to:

Table	Join
Inventory	rental.inventory_id=inventory.inventory_id
Customer	rental.customer_id=customer.customer_id




Staff	rental.staff_id=staff.staff_id
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Links from:

Table	Join
Payment	payment.rental_id=rental.rental_id

Dimension Tables





Store

Key	Columns	Data Type	Description
	store_id	serial	primary key, id number assigned to store
	manager_staff_id	smallint	id number assigned to manager
	address_id	smallint	id number assigned to address
	last_update	timestamp(6) without time zone	date last updated

Links to:

Table	Join
Address	store.address_id = address.address_id
Staff	store.staff_id = staff.staff_id



Film actor

Key	Columns	Data Type	Description
	actor_id	smallint	primary key, id number assigned to actor
			
	film_id	smallint	id number assigned to film
			
	last_update	timestamp(6) without time zone	date last updated

Links to:

Table	Join
Actor	film_actor.actor_id = actor.actor_id
Film	film_actor.film_id = film.film_id

Inventory

Key	Columns	Data Type	Description
	inventory_id	serial	primary key, id number assigned to rental
	film_id	smallint	id number assigned to film
	store_id	smallint	id number assigned to store
	last_update	timestamp(6) without time zone	date last updated





Links to:

Table	Join
Film	inventory.film_id = film.film_id

Links from:

Table	Join
Rental	rental.inventory_id = inventory.inventory_id

Film category



Key	Columns	Data Type	Description
	film_id	smallint	primary key, id number assigned to film
			
	category_id	smallint	id number assigned to genre
			
	last_update	timestamp(6) without time zone	date last updated

Links to:

Table	Join
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Category	film_category.category_id = category.category_id
Film	film_category.film_id = film.film_id

Customer

Key	Columns	Data Type	Description
	customer_id	serial	primary key, id number assigned to customer
	store_id	smallint	id number assigned to store
	first_name	character varying(45)	first name of customer
	last_name	character varying(45)	last name of customer
	email	character varying(50)	email address of customer
	address_id	smallint	id number assigned to address
	activebool	Boolean	active true, false, or null
	create_date	date	date when account was created
	last_update	timestamp(6) without time zone	date last updated
	active	integer	account active

Links to:



Table	Join
Address	customer.address_id=address.address_id

Links from:

Table	Join
Rental	rental.customer_id = customer.customer_id
Payment	payment.customer_id = customer.customer_id

Staff

Key	Columns	Data Type	Description
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	staff_id	serial	primary key, id number assigned to staff member
	first_name	character varying(45)	first name of staff member
	last_name	character varying(45)	last name of staff member
	address_id	smallint	id number assigned to address
	email	character varying(50)	email of staff member
	store_id	smallint	id number assigned to store
	active	Boolean	active true or false
	username	character varying(16)	username of staff member
	password	character varying(40)	password of staff member
	last_update	timestamp(6) without time zone	date last updated
	picture	bytea	photo of staff member


Links to:

Table	Join
Address	staff.address_id = address.address_id

Links from:

Table	Join
Rental	rental.staff_id = staff.staff_id
Store	store.address_id = staff.address_id
Payment	payment.staff_id = staff.staff_id



Actor

Key	Columns	Data Type	Description
	actor_id	serial	primary key, id number assigned to actor
	first_name	character varying(45)	first name of actor
	last_name	character varying(45)	last name of actor
	last_update	timestamp(6) without time zone	date last updated

Links from:

Table	Join
Film_actor	film_actor.actor_id = actor.actor_id

Film

Key	Columns	Data type	Description
	film_id	serial	primary key, id number assigned to film
	title	character varying(255)	title of film
	description	text	description of film
	release_year	year	year film was released
	language_id	smallint	id number assigned to language of film
	rental_duration	smallint	duration of rental
	rental_rate	numeric(4,2)	cost of film
	length	smallint	length of film
	replacement_cost	numeric(5,2)	cost to replace the film
	rating	mpaa_rating	rating of the film
	last_update	timestamp(6) without time zone	date last updated
	special_features	text[]	special features of film
	fulltext	tvsector	amount of text


Links to:

Table	Join
Language	film.language_id = language.language_id

Links from:

Table	Join
Film_actor	film_actor.film_id = film.film_id
Film_category	film_category.film_id = film.film_id
Inventory	inventory.film_id = film.film_id



Category

Key	Columns	Data Type	Description
	category_id	serial	primary key, id number assigned to genre
	name	character varying(25)	name of genre
	last_update	timestamp(6) without time zone	date last updated

Links from:

Table	Join
Film_category	film_actor.category_id = category.category_id

Address

Key	Columns	Data Type	Description
	address_id	serial	primary key, id number assigned to address
	address	character varying(50)	address
	address2	character varying(50)	second address
	district	character varying(20)	district
	city_id	smallint	id number assigned to city
	postal_code	character varying(10)	zip code
	phone	character varying(20)	phone number
	last_update	timestamp(6) without time zone	date last updated

Links to:


Table	Join
City	address.city_id = city.city_id

Links from:

Table	Join
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Store	store.address_id = address.address_id
Staff	staff.address_id = address.address_id
Customer	customer.address_id = address.address_id



Language

Key	Columns	Data Type	Description
	language_id	serial	primary key, id number assigned to language
	name	character(20)	name of language
	last_update	timestamp(6) without time zone	date last updated

Links from:

Table	Join
Film	film.language_id = language.language_id

City

Key	Columns	Data Type	Description
	city_id	serial	primary key, id number assigned to city
	city	character varying(50)	name of city
	country_id	smallint	id number assigned to country
	last_update	timestamp(6) without time zone	date last updated

Links to:


Table	Join
Country	city.country_id = country.country_id

Links from:

Table	Join
Address	address.city_id = city.city_id

Country

Key	Columns	Data Type	Description
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	country_id	serial	Unique number for each country
	country	character varying(50)	Name of country
	last_update	timestamp(6) without time zone	Date of last update for the table

Links from:

Table	Join
City	city.country_id=country.country_id