

A dark blue vertical bar runs down the left side of the slide. A blue arrow points to the right from the bar, containing the text "August, 2022.".

August, 2022.

Data Dictionary

Rockbuster Stealth

Anita Šola

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1. Entity Relationship Diagram



2. Fact tables

rental

Key	Column	Data type	Description	Links from	Links to
Primary	rental_id	serial	ID of the rental.	payment	
	rental_date	timestamp	Date of the rental.		
Foreign	inventory_id	int4	ID of the inventory item.		inventory
Foreign	customer_id	int2	ID of the customer		customer
	return_date	timestamp	Date of the return of the rental.		
Foreign	staff_id	int2	ID of the employee that processed the rental.		staff
	last_update	timestamp	Date of the last update of the table.		

3. Dimension tables

actor

Key	Column	Data type	Description	Links from	Links to
Primary	actor_id	serial	ID of the actor.	film_actor	
	first_name	varchar	First name of the actor.		
	last_name	varchar	Last name of the actor.		
	last_update	timestamp	Date of the last update of the table.		

address

Key	Column	Data type	Description	Links from	Links to
Primary	address_id	serial	ID of the address.	customer	
	address	varchar	Street and house number.	staff	
	address2	varchar	Second line of the address.	store	
	district	varchar	District.		
Foreign	city_id	int2	ID of the city.		city
	postal_code	varchar	Post code.		
	phone	varchar	Telephone number		
	last_update	timestamp	Date of the last update of the table.		

category

Key	Column	Data type	Description	Links from	Links to
Primary	category_id	serial	ID of the category.	film_category	
	name	varchar	Name of the category.		
	last_update	timestamp	Date of the last update of the table.		

city

Key	Column	Data type	Description	Links from	Links to
Primary	city_id	serial	ID of the city.	address	
	city	varchar	Name of the city.		
Foreign	country_id	int2	ID of the country.		country
	last_update	timestamp	Date of the last update of the table.		

country

Key	Column	Data type	Description	Links from	Links to
Primary	country_id	serial	ID of the country.	city	
	country	varchar	Name of the country.		
	last_update	timestamp	Date of the last update of the table.		

customer

Key	Column	Data type	Description	Links from	Links to
Primary	customer_id	serial	ID of the customer.	rental	
Foreign	store_id	int2	ID of the store.	payment	store
	first_name	varchar	First name of the customer.		
	last_name	varchar	Last name of the customer.		
	email	varchar	Email address of the customer.		
Foreign	address_id	int2	ID of the address of the customer.		address
	activebool	bool	Activity status of the customer.		
	create_date	date	Date of the entry of the customer in the database.		
	last_update	timestamp	Date of the last update of the table.		
	active	int4	Activity status of the customer.		

film

Key	Column	Data type	Description	Links from	Links to
Primary	film_id	serial	ID of the film.	film_actor	
	title	varchar	Title of the film.	inventory	
	description	text	Description of the film.	film_category	
	release_year	year	Year of the release of the film.		
Foreign	language_id	int2	ID of the language.		language
	rental_duration	int2	Duration of the rental		
	rental_rate	numeric	Price of the rental per day.		
	length	int2	Length of the film.		
	replacement_cost	numeric	Price of the replacement of the film.		
	rating	mpaa_rating	Rating of the film.		
	last_update	timestamp	Date of the last update of the table.		
	special_features	_text	Special features of the film.		
	fulltext	tsvector	Full description of the film.		

film_actor

Key	Column	Data type	Description	Links from	Links to
Foreign	actor_id	int2	ID of the actor.		
Foreign	film_id	int2	ID of the film.		
	last_update	timestamp	Date of the last update of the table.		

film_category

Key	Column	Data type	Description	Links from	Links to
Foreign	film_id	int2	ID of the film.		actor
Foreign	category_id	int2	ID of the category.		film
	last_update	timestamp	Date of the last update of the table.		

inventory

Key	Column	Data type	Description	Links from	Links to
Primary	inventory_id	serial	ID of the inventory item.	rental	
Foreign	film_id	int2	ID of the film.		film
Foreign	store_id	int2	ID of the store.		store
	last_update	timestamp	Date of the last update of the table.		

language

Key	Column	Data type	Description	Links from	Links to
Primary	language_id	serial	ID of the language.	film	
	name	bpchar	Name of the language of the film.		
	last_update	timestamp	Date of the last update of the table.		

payment

Key	Column	Data type	Description	Links from	Links to
Primary	payment_id	serial	ID of the payment.		
Foreign	customer_id	int2	ID of the customer that made the payment.		customer
Foreign	staff_id	int2	ID of the staff member that processed the rental.		staff
Foreign	rental_id	int4	ID of the rental for which the payment was made.		rental
	amount	numeric	Amount of the payment made.		
	payment_date	timestamp	Date of the last update of the table.		

staff

Key	Column	Data type	Description	Links from	Links to
Primary	staff_id	serial	ID of the employee.	payment	
	first_name	varchar	First name of the employee.	store	
	last_name	varchar	Last name of the employee.	rental	
Foreign	address_id	int2	ID of the employee's address.		address
	email	varchar	Email address of the employee.		
Foreign	store_id	int2	ID of the store where the employee works.		store
	active	bool	Activity status of the employee.		
	username	varchar	Employee's username.		
	password	varchar	Employee's password.		
	last_update	timestamp	Date of the last update of the table.		
	picture	bytea	Picture of the employee.		

store

Key	Column	Data type	Description	Links from	Links to
Primary	store_id	serial	ID of the store.		
Foreign	manager_staff_id	int2	ID of the manager of the store.		staff
Foreign	address_id	int2	ID of the address of the store.		address
	last_update	timestamp	Date of the last update of the table.		