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# Data Dictionary

Rockbuster Film Data



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## Legend

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Primary Key







Foreign Key

## Payment Table

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### Columns

Key	Column	DataType	Description
	payment_id	serial	Transaction ID. Unique for every line item
	customer_id	int2	Customer Identification, unique for each customer
	staff_id	int2	Staff Identification, unique for each staff
	rental_id	int4	Rental Identification, unique for each rental
	amount	numeric	Transaction AMOUNT.
	payment_date	timestamp	Transaction DATE.





### Links To

Table	Join	Description
rental	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id
customer	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

## Rental Table

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### Columns

Key	Column	DataType	Description
	rental_id	serial	Rental ID, unique for each rental
	rental_date	timestamp	Date of rental
	inventory_id	int4	inventory ID, unique for each item in store
	customer_id	int2	Customer ID, unique for each customer
	return_date	timestamp	Date of Return
	staff_id	int2	Staff ID, unique for each staff member
	last_update	timestamp	Timestamp of when data was last updated.

### Links To

Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id




### Links From

Table	Join	Description
payment	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id

## Store Table

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### Columns

Key	Column	DataType	Description
	store_id	serial	Store ID. Unique for each store
	manager_staff_id	int2	Manager ID. Unique for each manager.
	address_id	int2	Address ID. Unique for each address
	last_update	timestamp	Timestamp of when data was last updated.

### Links To

Table	Join	Description
staff	store.manager_staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
address	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

## Film Actor Table

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### Columns

Key	Column	DataType	Description
	actor_id	int2	Actor ID. Unique for every actor
	film_id	int2	Film ID. Unique for every film
	last_update	timestamp	Timestamp of when data was last updated.

### Links To



Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id
film	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id



## Inventory Table

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### Columns

Key	Column	DataType	Description
	inventory_id	serial	Inventory ID, unique for each item in store
	film_id	int2	Film ID, unique for each film
	store_id	int2	Store ID, unique for each store
	last_update	timestamp	Timestamp of when data was last updated.

### Links To

Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id



### Links From

Table	Join	Description
rental	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id

## Film Category Table

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### Columns

Key	Column	DataType	Description
	film_id	int2	Film ID. Unique for each film
	category_id	int2	Category ID. Unique for each category
	last_update	timestamp	Timestamp of when data was last updated.



### Links To

Table	Join	Description
film	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id
category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

## Customer Table

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### Columns

Key	Column	DataType	Description
	customer_id	serial	Customer ID, unique for each customer
	store_id	int2	Store ID, unique for each store
	first_name	varchar	First name of customer
	last_name	varchar	Last name of customer
	email	varchar	email of customer
	address_id	int2	Address ID, unique for each customer
	activebool	bool	TRUE/FALSE if customer is active
	create_date	date	date customer ID was created
	last_update	timestamp	Timestamp of when data was last updated.
	active	int4	Binary indicating active customers

### Links To

Table	Join	Description
address	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id



### Links From

Table	Join	Description
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

## Staff Table

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### Columns

Key	Column	DataType	Description
	staff_id	serial	Staff ID, unique for each staff member
	first_name	varchar	First name of staff member
	last_name	varchar	Last name of staff member
	address_id	int2	Address ID, unique for each staff member
	email	varchar	email of staff member
	store_id	int2	Store ID, unique for each store
	active	bool	TRUE/FALSE if staff member is active
	username	varchar	username of staff member
	password	varchar	password of staff member
	last_update	timestamp	Timestamp of when data was last updated.
	picture	bytea	picture of staff member

### Links To

Table	Join	Description
address	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id


### Links From

Table	Join	Description
payment	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
rental	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
store	store.manager_staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

## Actor Table

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### Columns

Key	Column	DataType	Description
	actor_id	serial	Actor ID, unique for each actor
	first_name	varchar	First name of actor
	last_name	varchar	Last name of actor
	last_update	timestamp	Timestamp of when data was last updated.



### Links From

Table	Join	Description
film_actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id

## Film Table

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### Columns

Key	Column	DataType	Description
	film_id	serial	film ID, unique for each film
	title	varchar	title of film
	description	text	description of film
	release_year	year	release year of film
	language_id	int2	language ID, unique for each language
	rental_duration	int2	length of rental in days
	rental_rate	numeric	cost of rental
	length	int2	length of film
	replacement_cost	numeric	cost to replace un-returned film
	rating	mpaa_rating	film rating
	last_update	timestamp	Timestamp of when data was last updated.
	special_features	_text	list of special features on rental film
	fulltext	tsvector	keyword information about film

### Links To

Table	Join	Description
language	film.language_id = language.language_id	Foreign key constraint referencing language.language_id


### Links From

Table	Join	Description
film_actor	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id
inventory	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id
film_category	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id

## Category Table

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### Columns

Key	Column	DataType	Description
	category_id	serial	Category ID, unique for each category
	name	varchar	name of category
	last_update	timestamp	Timestamp of when data was last updated.



### Links From

Table	Join	Description
film_category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

## Address Table

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### Columns

Key	Column	DataType	Description
	address_id	serial	Address ID, unique for each address
	address	varchar	line 1 for address
	address2	varchar	line 2 for address
	district	varchar	district of address
	city_id	int2	city ID, unique for each city
	postal_code	varchar	postal code of address
	phone	varchar	phone number for address
	last_update	timestamp	Timestamp of when data was last updated.

### Links To

Table	Join	Description
city	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

### Links From

Table	Join	Description
store	store.address_id = address.address_id	Foreign key constraint referencing address.address_id
customer	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id
staff	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id



## Language Table

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### Columns

Key	Column	DataType	Description
	language_id	serial	Language ID, unique for each language
	name	varchar	name of language
	last_update	timestamp	Timestamp of when data was last updated.



### Links From

Table	Join	Description
film	film.language_id = language.language_id	Foreign key constraint referencing language.language_id

## City Table

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### Columns

Key	Column	DataType	Description
	city_id	serial	city ID, unique for each city
	city	varchar	name of city
	country_id	int2	country ID, unique for each country
	last_update	timestamp	Timestamp of when data was last updated.

### Links To

Table	Join	Description
country	city.country_id = country.country_id	Foreign key constraint referencing country.country_id


### Links From

Table	Join	Description
address	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

## Country Table

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### Columns

Key	Column	DataType	Description
	country_id	serial	country ID, unique for each country
	country	varchar	name of country
	last_update	timestamp	Timestamp of when data was last updated.

### Links From

Table	Join	Description
city	city.country_id = country.country_id	Foreign key constraint referencing country.country_id