



ROCKBUSTER STEALTH DATA DICTIONARY
VERSION 1.0


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I. ENTITY RELATIONSHIP DIAGRAM



II. FACT TABLES

Legend	
	Primary key
	Foreign key

A. payment

Key	Column	Data Type	Description
	payment_id	serial	Unique ID of payment
	customer_id	int2	Unique ID of customer
	staff_id	int2	Unique ID of staff member who processed the payment
	rental_id	int4	Unique ID of rental instance
	amount	numeric	Value of payment
	payment_date	timestamp	Date of payment





Links To:

Table	Join
customer	payment.customer_id=customer.customer_id
rental	payment.rental_id=rental.rental_id
staff	payment.staff_id=staff.staff_id

Linked From: None

B. rental

Key	Column	Data Type	Description
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	rental_id	serial	Unique ID of rental instance
	rental_date	timestamp	Date of rental
	inventory_id	int4	Unique ID of item in inventory
	customer_id	int2	Unique ID of customer
	return_date	timestamp	Date of return
	staff_id	int2	Unique ID of staff member who processed the rental
	last_update	timestamp	Time of last update

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

Linked From:

Table	Join
payment	payment.rental_id=rental.rental_id

III. DIMENSION TABLES

A. actor

Key	Column	Data Type	Description
	actor_id	serial	Unique ID of the actor



	first_name	varchar	First name of actor
	last_name	varchar	Last name of actor
	last_update	timestamp	Time of last update

Links To: None

Linked From:

Table	Join
film_actor	film_actor.actor_id=actor.actor_id

B. address

Key	Column	Data Type	Description
	address_id	serial	Unique ID of the address
	address	varchar	First line of address
	address2	varchar	Second line of address
	district	varchar	State, province, etc.
	city_id	int2	Unique ID of city
	postal_code	varchar	Address's postal code
	phone	varchar	Phone number for address
	last_update	timestamp	Time of last update


Links To:

Table	Join
city	address.city_id=city.city_id

Linked From:

Table	Join
customer	customer.address_id=address.address_id
staff	staff.address_id=address.address_id
store	store.address_id=address.address_id

C. category



Key	Column	Data Type	Description
	category_id	serial	Unique ID of category
	name	varchar	Name of category
	last_update	timestamp	Time of last update

Links To: None

Linked From:

Table	Join
film_category	film_category.category_id=category.category_id

D. city

Key	Column	Data Type	Description
	city_id	serial	Unique ID of city
	city	varchar	Name of city
	country_id	int2	Unique ID of country
	last_update	timestamp	Time of last update


Links To:

Table	Join
country	city.country_id=country.country_id

Linked From:

Table	Join
address	address.address_id=city.address_id

E. country



Key	Column	Data Type	Description
	country_id	serial	Unique ID of country
	country	varchar	Name of country
	last_update	timestamp	Time of last update


Links To: None

Linked From:

Table	Join
city	city.country_id=country.country_id

F. customer

Key	Column	Data Type	Description
	customer_id	serial	Unique ID of customer
	store_id	int2	Unique ID of store
	first_name	varchar	First name of customer
	last_name	varchar	Last name of customer
	email	varchar	E-mail address of customer

	address_id	int2	Unique ID of the address
	activebool	bool	Customer marked as active
	create_date	date	Customer record creation data
	last_update	timestamp	Time of last update
	active	int4	Active customers marked as 1, inactive as 0



Links To:

Table	Join
address	customer.address_id=address.address_id

Linked From:

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

G. film

Key	Column	Data Type	Description
	film_id	serial	Unique ID of film
	title	varchar	Title of film
	description	text	Description of film
	release_year	year	Release year of film
	language_id	int2	Unique ID of language

	rental_duration	int2	Allowed rental period in days
	rental_rate	numeric	Cost of renting the film
	length	int2	Length of the film in minutes
	replacement_cost	numeric	Cost of replacing the film
	rating	mpaa_rating	MPAA rating of the film
	last_update	timestamp	Time of last update
	special_features	_text	Special features of the film
	fulltext	tsvector	Keywords and their usage frequency in the film

Links To:



Table	Join
language	film.language_id=language.language_id

Linked 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

H. film_actor

Key	Column	Data Type	Description
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	actor_id	int2	Unique ID of the actor
	film_id	int2	Unique ID of film
	last_update	timestamp	Time of last update

Links To:

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

Linked From: None

I. film_category



Key	Column	Data Type	Description
	film_id	int2	Unique ID of film
	category_id	int2	Unique ID of category
	last_update	timestamp	Time of last update


Links To:

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

Linked From: None

J. inventory

Key	Column	Data Type	Description
	inventory_id	serial	Unique ID of inventory
	film_id	int2	Unique ID of film

	store_id	int2	Unique ID of store
	last_update	timestamp	Time of last update


Links To:

Table	Join
film	inventory.film_id=film.film_id

Linked From:

Table	Join
store	store.store_id=inventory.store_id

K. language


Key	Column	Data Type	Description
	language_id	serial	Unique ID of language
	name	bpchar	Name of language
	last_update	timestamp	Time of last update



Links To: None

Linked From:

Table	Join
film	film.language_id=language.language_id

L. staff

Key	Column	Data Type	Description
	staff_id	serial	Unique ID of staff member
	first_name	varchar	First name of staff member

	last_name	varchar	Last name of staff member
	address_id	int2	Unique ID of staff member's address
	email	varchar	Staff member's e-mail address
	store_id	int2	Unique ID of store
	active	bool	If staff is presently employed
	username	varchar	Staff member's username
	password	varchar	Staff member's encrypted password hash
	last_update	timestamp	Time of last update
	picture	bytea	Photo of staff member



Links To:

Table	Join
address	staff.address_id=address.address_id

Linked From:

Table	Join
rental	rental.staff_id=staff.staff_id
payment	payment.staff_id=staff.staff_id
store	store.store_id=staff.store_id

M. store

Key	Column	Data Type	Description
	store_id	serial	Unique ID of store
	manager_staff_id	int2	Unique ID of manager
	address_id	int2	Unique ID of store's address
	last_update	timestamp	Time of last update

Links To:

Table	Join
address	store.store_id=address.address_id
staff	store.staff_id=staff.staff_id

Linked From: None