

# ROCKBUSTER STEALTH

Data Dictionary

Dawn Chism  
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## About Rockbuster Stealth

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

## Rockbuster Stealth Entity Relationship Diagram (ERD)



### Legend

= Primary Key





= Foreign Key

= Primary Key Relation


= Foreign Key Relation

## Fact Table




## Rental

	Columns	Data Type	Description
	rental_id	SERIAL	PK - Unique # assigned to each movie rental.
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the movie rental occurred.
	inventory_id	INTEGER	Unique # assigned to each movie in the inventory.
	customer_id	SMALLINT	Unique # assigned to each customer.
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the movie rental was returned.
	staff_id	SMALLINT	Unique # assigned to each staff member.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.





## Links To:

	Table	Join
	rental	rental.rental_id = payment.rental_id

## Links From:





	Table	Join
	inventory	rental.inventory_id = inventory.inventory_id
	customer	rental.customer_id = customer.customer_id
	staff	rental.staff_id = staff.staff_id

## Unique Keys:




	Columns	Name/Description
	rental_id	PK_rental_rental_id
	inventory_id	FK_rental_inventory_id
	customer_id	FK_rental_customer_id
	staff_id	FK_rental_staff_id

## Dimension Tables





### Payment

	Columns	Data Type	Description
	payment_id	SERIAL	PK - Unique # assigned to each payment.
	customer_id	SMALLINT	Unique # assigned to each customer.
	staff_id	SMALLINT	Unique # assigned to each staff member.
	rental_id	INTEGER	Unique # assigned to each movie rental.
	amount	NUMERIC(5,2)	\$ amount of each rental.
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the was made.



### Links From:


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

### Unique Keys:



	Columns	Name/Description
	payment_id	PK_payment_payment_id
	customer_id	FK_payment_customer_id
	staff_id	FK_payment_staff_id
	rental_id	FK_payment_rental_id

### Store




	Columns	Data Type	Description
	store_id	SERIAL	PK - Unique # assigned to each store.
	manager_staff_id	SMALLINT	Unique # assigned to each manager at each store.

	address_id	SMALLINT	Unique # assigned to each store identifying the store's address.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.





## Links From:

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



## Unique Keys:

	Columns	Name/Description
	store_id	PK_store_store_id
	manager_staff_id	FK_store_manager_staff_id
	address_id	FK_store_address_id



## Film Actor

	Columns	Data Type	Description
 & 	actor_id	SMALLINT	PK - Unique # assigned to each actor.
 & 	film_id	SMALLINT	PK - Unique # assigned to each film.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.





## Links To:

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



## Links From:

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


## Unique Keys:

	Columns	Name/Description
	actor_id	PK_film_actor_actor_id
	film_id	PK_film_actor_film_id
	actor_id	FK_film_actor_actor_id
	film_id	FK_film_actor_film_id


## Inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	PK - Unique # assigned to each movie in the inventory.
	film_id	SMALLINT	Unique # assigned to each film.
	store_id	SMALLINT	Unique # assigned to each store.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.



## Links To:

	Table	Join
	inventory	inventory.inventory_id = rental.inventory_id





## Links From:

	Table	Join
	film	inventory.film_id = film.film_id



## Unique Keys:

	Columns	Name/Description
	inventory_id	PK_inventory_inventory_id
	film_id	FK_inventory_film_id



## Film Category

	Columns	Data Type	Description
 & 	film_id	SMALLINT	PK - Unique # assigned to each film.
 & 	category_id	SMALLINT	PK - Unique # assigned to each film category.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.





## Links To:

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



## Links From:

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

## Unique Keys:

	Columns	Name/Description
	film_id	PK_film_category_film_id
	category_id	PK_film_category_category_id
	film_id	FK_film_category_film_id
	category_id	FK_film_category_category_id


## Customer

	Columns	Data Type	Description
	customer_id	SERIAL	PK - Unique # assigned to each customer.
	store_id	SMALLINT	Unique # assigned to each store.
	first_name	CHARACTER VARYING (45)	First name of each unique customer.
	last_name	CHARACTER VARYING (45)	Last name of each unique customer.
	email	CHARACTER VARYING (50 )	Email address for each unique customer.
	address_id	SMALLINT	Unique # assigned to each customer identifying the customers address.
	activebool	BOOLEAN	Is the customer active? True or False response.
	create_date	DATE	The date the customer's account was created.




	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.
	active	INTEGER	0 or 1 indicates the customer's active status.



## Links To:

	Table	Join
	customer	customer.customer_id = rental.customer_id



## Links From:

	Table	Join
	address	customer.address_id = address.address_id

## Unique Keys:


	Columns	Name/Description
	customer_id	PK_customer_customer_id
	address_id	FK_customer_address_id

## Staff


	Columns	Data Type	Description
	staff_id	SERIAL	PK - Unique # assigned to each staff member.
	first_name	CHARACTER VARYING (45)	First name of each unique staff member.
	last_name	CHARACTER VARYING (45)	last name of each unique staff member.
	address_id	SMALLINT	Unique # assigned to each staff member identifying their address.
	email	CHARACTER VARYING (50)	Email address for each unique staff member.
	store_id	SMALLINT	Unique # assigned to each store.
	active	BOOLEAN	Is the staff member active? True or False response.
	username	CHARACTER VARYING (16)	User name for each staff member.
	password	CHARACTER VARYING (40)	Password for each staff member.

	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.
	picture	BYTEA	Photo of each staff member, if available.



Links To:

	Table	Join
	staff	staff.staff_id = payment.staff_id, & staff.staff_id = store.manager_staff_id


Links From:

	Table	Join
	address	staff.address_id = address.address_id


Unique Keys:

	Columns	Name/Description
	staff_id	PK_staff_staff_id
	address_id	FK_staff_address_id


Actor

	Columns	Data Type	Description
	actor_id	SERIAL	PK - Unique # assigned to each actor.
	first_name	CHARACTER VARYING (45)	First name of each unique actor.
	last_name	CHARACTER VARYING (45)	Last name of each unique actor.
	last_updated	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.

Links To:

	Table	Join
	actor	actor.actor_id_id = film_actor.actor_id


Unique Keys:

	Columns	Name/Description
	actor_id	PK_actor_actor_id


## Film

	Columns	Data Type	Description
	film_id	SERIAL	PK - Unique # assigned to each film.
	title	CHARACTER VARYING (255)	Title of the film.
	description	TEXT	Film description.
	release_year	year	The year the film was released.
	language_id	SMALLINT	Unique # assigned to each film to identify the film's language.
	rental_duration	SMALLINT	The number of days the movie was rented for.
	rental_rate	NUMERIC(4,2)	\$ amount the film was rented for.
	length	SMALLINT	# of minutes of each film.
	replacement_cost	NUMERIC(5,2)	\$ amount to replace the film.
	rating	mpaa_rating	Each film's rating (i.e. G, PG, PG 13, etc.)
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.
	special_features	TEXT[]	The special features included with each film.
	fulltext	TSVECTOR	Keywords linked to each film that a customer may use in searching for the film.



## Links To:

	Table	Join
	film	film.film_id = film_actor.rental_id, film.film_id = inventory.film_id, & film.film_id = film_category.film_id


## Links From:

	Table	Join
	language	film.language_id = language.language_id


Unique Keys:

	Columns	Name/Description
	film_id	PK_film_film_id
	language_id	FK_film_language_id


## Category

	Columns	Data Type	Description
	category_id	SERIAL	PK - Unique # assigned to each film category.
	name	CHARACTER VARYING (25)	Category name.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.


Links To:

	Table	Join
	category	category.category_id = film_category.category_id


Unique Keys:

	Columns	Name/Description
	category_id	PK_category_category_id


## Language

	Columns	Data Type	Description
	language_id	SERIAL	PK - Unique # assigned to each film to identify the film's language.
	name	CHARACTER(20)	Language name.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.



Links To:

	Table	Join
	language	language.language_id = film.language_id


Unique Keys:

	Columns	Name/Description
	language_id	PK_language_language_id


## Address

	Columns	Data Type	Description
	address_id	SERIAL	PK - Unique # assigned to each store, staff member, and customer identifying their address.
	address	CHARACTER VARYING (50)	Street address.
	address2	CHARACTER VARYING (50)	2 <sup>nd</sup> part of address for apartment #'s, Suite #'s, Unit #'s, etc.
	district	CHARACTER VARYING (20)	State, province, or territory of the address.
	city_id	SMALLINT	Unique # assigned to each city.
	postal_code	CHARACTER VARYING (10)	Postal code for each address.
	phone	CHARACTER VARYING (20)	Phone number for each address.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.



## Links To:

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


## Links From:


	Table	Join
	city	address.city_id = city.city_id

## Unique Keys:


	Columns	Name/Description
	address_id	PK_address_address_id
	city_id	FK_address_city_id

## City


	Columns	Data Type	Description
	city_id	SERIAL	PK - Unique # assigned to each city.
	city	CHARACTER VARYING (50)	Name of the city.

	country_id	SMALLINT	Unique # assigned to each country.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.



Links To:

	Table	Join
	city	city.city_id = address.city_id


Links From:

	Table	Join
	county	city.county_id = county.county_id


Unique Keys:

	Columns	Name/Description
	city_id	PK_city_city_id
	county_id	FK_city_county_id


## Country

	Columns	Data Type	Description
	country_id	SERIAL	PK - Unique # assigned to each country.
	country	CHARACTER VARYING (50)	Name of the country.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated.

Links To:

	Table	Join
	county	county.county_id = city.county_id

Unique Keys:

	Columns	Name/Description
	county_id	PK_county_county_id