

# ROCKBUSTER STEALTH

Data Dictionary

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# Entity Relationship Diagram



## Tables

### 2.1 Business

#### 2.1.1 Rental

Table Name	Columns	Data Type	Description
<b>Key</b>	rental_id	serial	unique rental number
Primary	rental_date	timestamp(6) without time zone	date of rental
Foreign	inventory_id	integer	unique inventory number
Foreign	customer_id	smallint	unique customer id
	return_date	timestamp(6) without time zone	date rental was returned
Foreign	staff_id	smallint	unique staff member id
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>inventory</b>	rental.inventory_id = inventory.inventory_id
<b>customer</b>	rental.customer_id = customer.customer_id
<b>staff</b>	rental.staff_id = staff.staff_id

Links from:

Table Name	Link
<b>payment</b>	payment.rental_id = rental.rental_id

#### 2.1.2 Store

Key	Columns	Data Type	Description
Primary	store_id	serial	unique store number
Foreign	manager_staff_id	smallint	unique manager id number
Foreign	address_id	smallint	unique store id number
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>address</b>	store.address_id = address.address_id
<b>staff</b>	store.manager_staff_id = staff.staff_id

Links from: N/A

#### 2.1.3 Inventory

Key	Columns	Data Type	Description
Primary	inventory_id	serial	unique inventory id number
Foreign	film_id	smallint	unique film id number
	store_id	serial	unique store number
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>film</b>	inventory.film_id = film.film_id

Links from:

Table Name	Link
<b>rental</b>	rental.inventory_id = inventory.inventory_id

#### 2.1.4 Payment

Key	Columns	Data Type	Description
Primary	payment_id	serial	unique payment id
Foreign	customer_id	smallint	unique customer id
Foreign	staff_id	smallint	unique staff member id
Foreign	rental_id	integer	unique rental number
	amount	numeric(5,2)	rental amount
	payment_date	timestamp(6) without time zone	date payment was made

Links to:

Table Name	Link
<b>customer</b>	payment.customer_id = customer.customer_id
<b>staff</b>	payment.staff_id = staff.staff_id
<b>rental</b>	payment.rental_id = rental.rental_id

Links from: N/A

### 2.1.5 Staff

Key	Columns	Data Type	Description
Primary	staff_id	serial	unique staff id number
	first_name	character varying (45)	staff first name
	last_name	character varying (45)	staff last name
Foreign	address_id	smallint	staff address id
	email	character varying (45)	staff email
	store_id	serial	unique store number
	active	boolean	true/false active staff member
	username	character varying (16)	staff username
	password	character varying (40)	staff password
	last_update	timestamp(6) without time zone	last time record was updated
	picture	bytea	staff member picture

Links to:

Table Name	Link
<b>address</b>	staff.address_id = address.address_id

Links from:

Table Name	Link
<b>store</b>	store.manager_staff_id = staff.staff_id
<b>rental</b>	rental.staff_id = staff.staff_id
<b>payment</b>	payment.staff_id = staff.staff_id

### 2.1.6 Customer

Key	Columns	Data Type	Description
Primary	customer_id	smallint	unique customer id
	store_id	serial	unique store number
	first_name	character varying (45)	customer first name
	last_name	character varying (45)	customer last name
	email	character varying (45)	customer email
Foreign	address_id	smallint	customer address id
	activebool	boolean	true/false customer active
	create_date	date	date record was created
	last_update	timestamp(6) without time zone	last time record was updated
	active	integer	active integer

Links to:

Table Name	Link
<b>address</b>	customer.address_id = address.address_id

Links from:

Table Name	Link
<b>rental</b>	rental.customer_id = customer.customer_id
<b>payment</b>	payment.customer_id = customer.customer_id

## 2.2 Film Tables

### 2.2.1 Film actor

Key	Columns	Data Type	Description
Primary and Foreign	actor_id	smallint	unique actor number
Primary and Foreign	film_id	smallint	unique film id number
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>film</b>	film_actor.film_id = film.film_id
<b>actor</b>	film_actor.actor_id = actor.actor_id

Links from: N/A

### 2.2.2 Film category

Key	Columns	Data Type	Description
Primary	film_id	smallint	unique film id number
Primary and Foreign	category_id	smallint	unique category id number
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>category</b>	film_category.category_id = category.category_id
<b>film</b>	film_category.film_id = film.film_id

Links from: N/A



### 2.2.3 Actor

Key	Columns	Data Type	Description
Primary	actor_id	serial	actor unique id number
	first_name	character varying (45)	actor first name
	last_name	character varying (45)	actor last name
	last_update	timestamp(6) without time zone	last time record was updated

Links to: N/A

Links from:

Table Name	Link
<b>film_actor</b>	film_actor.actor_id = actor.actor_id

### 2.2.4 Film

Key	Columns	Data Type	Description
Primary	film_id	serial	unique film id number
	title	character varying (255)	film title
	description	text	film description
	release_year	year	year film was released
Foreign	language_id	smallint	film language id
	rental_duration	smallint	length of rental
	rental_rate	numeric (4,2)	amount charged for rental
	length	smallint	length of film
	replacement_cost	numeric(5,2)	cost to replace
	rating	mpaa_rating	film MPAA rating
	last_update	timestamp(6) without time zone	last time record was updated
	special_features	text[]	special features (deleted scenes, director commentary, trailers)
	fulltext	tsvector	index for film

Links to:

Table Name	Link
<b>language</b>	staff.address_id = address.address_id

Links from:

Table Name	Link
<b>film_category</b>	film_category.film_id = film.film_id
<b>inventory</b>	inventory.film_id = film.film_id
<b>film_actor</b>	film_actor.film_id = film.film_id

### 2.2.5 Category

Key	Columns	Data Type	Description
Primary	category_id	serial	unique category id
	name	character varying (25)	category name
	last_update	timestamp(6) without time zone	last time record was updated

Links to: N/A

Links from:

Table Name	Link
<b>film_category</b>	film_category.category_id = category.category_id

### 2.2.6 Language

Key	Columns	Data Type	Description
Primary	language_id	serial	unique language id
	name	character(20)	language name
	last_update	timestamp(6) without time zone	last time record was updated

Links to: N/A

Links from:

Table Name	Link
<b>film</b>	film.language_id = language.language_id

## 2.3 Location Tables

### 2.3.1 Address

Key	Columns	Data Type	Description
Primary	address_id	serial	unique address id
	address	character varying (50)	first line of address
	address2	character varying (50)	second line of address
	district	character varying (50)	region of address
Foreign	city_id	smallint	unique city id
	postal_code	character varying (10)	postal code for address
	phone	character varying (20)	phone number
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>city</b>	address._city_id = city.city_id

Links from:

Table Name	Link
<b>staff</b>	staff.address_id = address.address_id
<b>store</b>	store.address_id = address.address_id
<b>customer</b>	customer.address_id = address.address_id

### 2.3.2 City

Key	Columns	Data Type	Description
Primary	city_id	smallint	unique city id
	city	character varying (50)	city
Foreign	country_id	smallint	unique country id
	last_update	timestamp(6) without time zone	last time record was updated

Links to:

Table Name	Link
<b>country</b>	city.country_id = country.country_id

Links from:

Table Name	Link
<b>address</b>	address.city_id = city.city_id

### 2.3.3 Country

Table Name	Columns	Data Type	Description
<b>country</b>	country_id	smallint	unique country id
	country	character varying (50)	name of country
	last_update	timestamp(6) without time zone	last time record was updated

Links to: N/A

Links from:

Table Name	Link
<b>city</b>	city.country_id = country.country_id