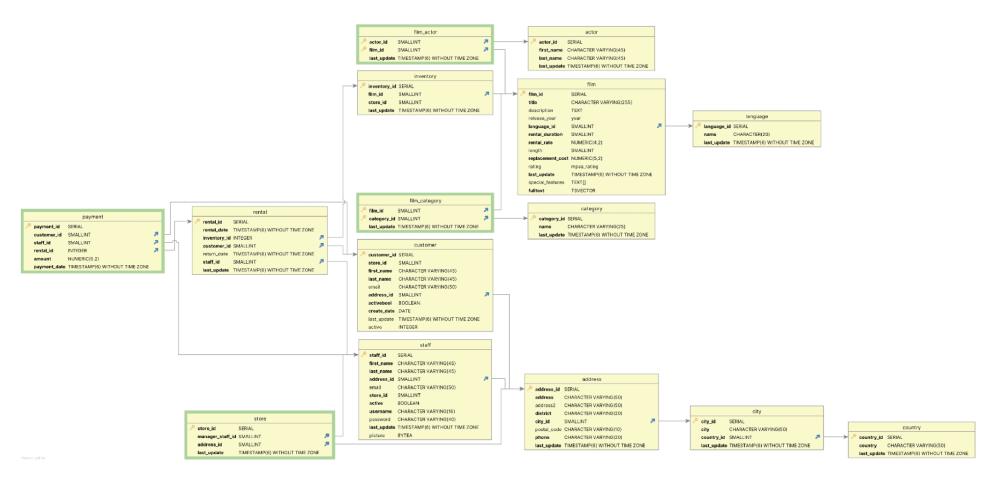
ROCKBUSTER STEALTH LLC

2008 MID-YEAR ANALYSIS

DATA DICTIONARY

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fact tables

primary key

foreign key

COLUMN		DATA TYPE	DESCRIPTION
payment_id	0-11	serial	unique sequential integer given to each payment
customer_id	0-11	smallint	unique small integer given to each customer
staff_id	0-11	smallint	unique small integer given to each staff
rental_id	0-11	integer	unique integer given to each rental
amount		numeric(5,2)	cost amount (xxxxx.xx)
payment_date		timestamp(6) w/o time zone	date of payment (xx/xx/xx)

Links to

TABLE	JOIN	DESCRIPTION
customer	payment.customer_id = customer.customer_id	foreign key referencing customer
staff	payment.staff_id = staff.staff_id	foreign key referencing <i>staff</i>
rental	Payment.rental_id = rental.rental_id	foreign key referencing rental

COLUMN		DESCRIPTION
payment_id	0-"	primary key
customer_id	0-11	foreign key used to connect with rental
staff_id	0-11	foreign key used to connect with staff
rental_id	0-11	foreign key used to connect with <i>rental</i>

COLUMN		DATA TYPE	DESCRIPTION
store_id	0-11	serial	unique sequential integer given to each store
manager_staff_id	0-11	smallint	unique code given to each manager
address_id	0-11	smallint	unique code given to each store address
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Links to

TABLE	JOIN	DESCRIPTION
staff	store.store_id = staff.store_id	foreign key referencing staff
address	store.address_id = address.address_id	foreign key referencing address

COLUMN		DESCRIPTION
store_id	0-11	primary key
manager_staff_id	0-11	foreign key used to connect with staff
address_id	0-11	foreign key used to connect with address

COLUMN		DATA TYPE	DESCRIPTION
film_id	O 11	smallint	unique code given to each film
category_id	О п О п	smallint	unique code given to each category
last_update	0-11	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Links to

TABLE	JOIN	DESCRIPTION
film	film_category.film_id = film.film_id	foreign key referencing film
category	film_category.category_id = category.category_id	foreign key referencing <i>category</i>

COLUMN		DESCRIPTION
film_id	0-"	primary key
category_id	О п О п	primary and foreign key used to connect with category

COLUMN		DATA TYPE	DESCRIPTION
actor_id	О п О п	smallint	unique code given to each actor
film_id	О-п О-п	smallint	unique code given to each film
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Links to

TABLE	JOIN	DESCRIPTION
actor	film_actor.actor_id = actor.actor_id	foreign key referencing actor
film	film_actor.film_id = film.film_id	foreign key referencing film

COLUMN		DESCRIPTION
actor_id primary and foreign key used to connect with actor		primary and foreign key used to connect with actor
film_id	О п О п	primary and foreign key used to connect with film

COLUMN	DATA TYPE	DESCRIPTION
staff_id O	serial	unique sequential integer given to each staff
first_name	character varying(45)	characters + numbers limit 45
last_name	character varying(45)	characters + numbers limit 45
address_id O	smallint	unique code given to each address
email	character varying(50)	characters + numbers limit 50
store_id	smallint	unique code given to each store
active	boolean	true, false, unknown
username	character varying(16)	characters + numbers limit 16
password	character varying(40)	characters + numbers limit 40
last_update	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)
picture	bytea	binary strings or RAW

Linked from

TABLE	JOIN	DESCRIPTION
payment	payment.staff_id = staff.staff_id	foreign key referencing <i>staff</i>
rental	rental.staff_id = staff.staff_id	foreign key referencing <i>staff</i>
store	store.store_id = staff.store_id	foreign key referencing store

Links to

TABLE	JOIN	DESCRIPTION
address	staff.address_id = address.address_id	foreign key referencing address

COLUMN		DESCRIPTION
staff_id	0-"	primary key
address_id	0-11	foreign key used to connect with address

COLUMN	DATA TYPE	DESCRIPTION
customer_id O	serial	unique sequential integer given to each customer
store_id	smallint	unique code given to each store
first_name	character varying(45)	characters + numbers limit 45
last_name	character varying(45)	characters + numbers limit 45
address_id O-	smallint	unique code given to each address
email	character varying(50)	characters + numbers limit 50
activebool	boolean	true, false, unknown
create_date	date	date (no limit specified)
last_update	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)
active	integer	integer (maybe 1, 0?)

Linked from

TABLE	JOIN	DESCRIPTION
payment	payment.customer_id = customer.staff_id	foreign key referencing customer
rental	rental.customer_id = customer.customer_id	foreign key referencing customer

Links to

TABLE	JOIN	DESCRIPTION
address	customer.address_id = address.address_id	foreign key referencing address

COLUMN		DESCRIPTION
customer_id	O-11	primary key
address_id	О-п	foreign key used to connect with address

COLUMN		DATA TYPE	DESCRIPTION
rental_id	О п	serial	unique sequential integer given to each rental
rental_date		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)
inventory_id	0-11	integer	unique code given to each inventory
customer_id	О-п	smallint	unique code given to each customer
return_date		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)
staff_id	О-п	smallint	unique code given to each staff
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
payment	payment.rental_id = rental.rental_id	foreign key referencing rental

Links to

TABLE	JOIN	DESCRIPTION
inventory	rental.inventory_id = inventory.inventory_id	foreign key referencing inventory
customer	rental.customer_id = customer.customer_id	foreign key referencing customer
staff	rental.staff_id = staff.staff_id	foreign key referencing staff

COLUMN		DESCRIPTION
rental_id	0-11	primary key
inventory_id	O-11	foreign key used to connect with <i>inventory</i>
customer_id	0-11	foreign key used to connect with <i>customer</i>
staff_id	0-11	foreign key used to connect with staff

COLUMN	DATA TYPE	DESCRIPTION
address_id O	serial	unique sequential integer for each store address
address	character varying(50)	characters + numbers limit 50
address2	character varying(50)	characters + numbers limit 50
district	character varying(20)	characters + numbers limit 20
city_id O-	smallint	unique code given to each store city
postal_code	character varying(10)	characters + numbers limit 10
phone	character varying(20)	characters + numbers limit 20
last_update	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
customer	customer.address_id = address.address_id	foreign key referencing address
staff	staff.address_id = address.address_id	foreign key referencing address

Links to

TABLE	JOIN	DESCRIPTION
city	address.city_id = city.city_id	foreign key referencing city

COLUMN		DESCRIPTION
address_id	O-11	primary key
city_id	O-11	foreign key used to connect with <i>city</i>

COLUMN		DATA TYPE	DESCRIPTION
city_id	O-11	serial	unique sequential integer given to each city
city		character varying(50)	characters + numbers limit 50
country_id		smallint	unique code given to each store country
last_update	0-11	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
address	address.city_id = city.city_id	foreign key referencing city

Links to

TABLE	JOIN	DESCRIPTION
country	city.country_id = country.country_id	foreign key referencing country

COLUMN		DESCRIPTION
city_id	O-11	primary key
country_id	0-11	foreign key used to connect with <i>country</i>

COLUMN		DATA TYPE	DESCRIPTION
country_id	О п	serial	unique sequential integer given to each country
country		character varying(50)	characters + numbers limit 50
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
city	city.country_id = country.country_id	foreign key referencing country

COLUMN	DESCRIPTION
country_id O	primary key

COLUMN		DATA TYPE	DESCRIPTION
inventory_id	О п	serial	unique sequential integer given to each inventory
film_id	O-11	smallint	unique code given to each film
store_id		smallint	unique code given to each store
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
rental	rental.inventory_id = inventory.inventory_id	foreign key referencing inventory

Links to

TABLE	JOIN	DESCRIPTION
film	inventory.film_id = film.film_id	foreign key referencing film

COLUMN		DESCRIPTION
inventory_id	0-"	primary key
film_id	0-11	foreign key used to connect with film

COLUMN	DATA TYPE	DESCRIPTION
film_id O-	serial	unique sequential integer given to each film
title	character varying(255)	characters + numbers limit 255
description	text	text description
release_year	year	year of film release
language_id O-	smallint	unique code given to each film
rental_duration	smallint	unique code given to each film
rental_rate	numeric(4,2)	rental cost amount (xxxx.xx)
length	smallint	unique code given to each film
replacement_cost	numeric(5,2)	replacement cost amount (xxxxx.xx)
rating	mpaa_rating	mpaa rating (5 categories)
last_update	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)
special_feature	text[]	text (limit 1Gb)
fulltext	tsvector	text film description (optimized for text search)

Linked from

TABLE	JOIN	DESCRIPTION
film_actor	film_actor.film_id = film.film_id	foreign key referencing film
inventory	inventory.film_id = film.film_id	foreign key referencing film
film_category	film_category.film_id = film.film_id	foreign key referencing film

Links to

TABLE	JOIN	DESCRIPTION
language	film.language_id = language.language_id	foreign key referencing language

COLUMN		DESCRIPTION
film_id	O ==	primary key
language_id	О-п	foreign key used to connect with film

COLUMN	DATA TYPE	DESCRIPTION
language_id O	serial	unique sequential integer given to each language
name	character(20)	character limit 20
last_update	timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
film	film.language_id = language.language_id	foreign key referencing language

COLUMN	DESCRIPTION
language_id O	primary key

COLUMN		DATA TYPE	DESCRIPTION
actor_id	О-п	serial	unique sequential integer given to each actor
first_name		character varying(45)	characters + numbers limit 45
last_name		character varying(45)	characters + numbers limit 45
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
film_actor	film_actor.actor_id = actor.actor_id	foreign key referencing actor

COLUMN		DESCRIPTION
actor_id	0-4	primary key

COLUMN		DATA TYPE	DESCRIPTION
category_id •	TT TT	serial	unique sequential integer given to each film category
name		character varying(25)	characters + numbers limit 45
last_update		timestamp(6) w/o time zone	date data was last updated (xx/xx/xx)

Linked from

TABLE	JOIN	DESCRIPTION
film_category	film_category.category_id = category.category_id	foreign key referencing category

COLUMN	DESCRIPTION
category_id O-	primary key