

ROCKBUSTER STEALTH

Data Dictionary

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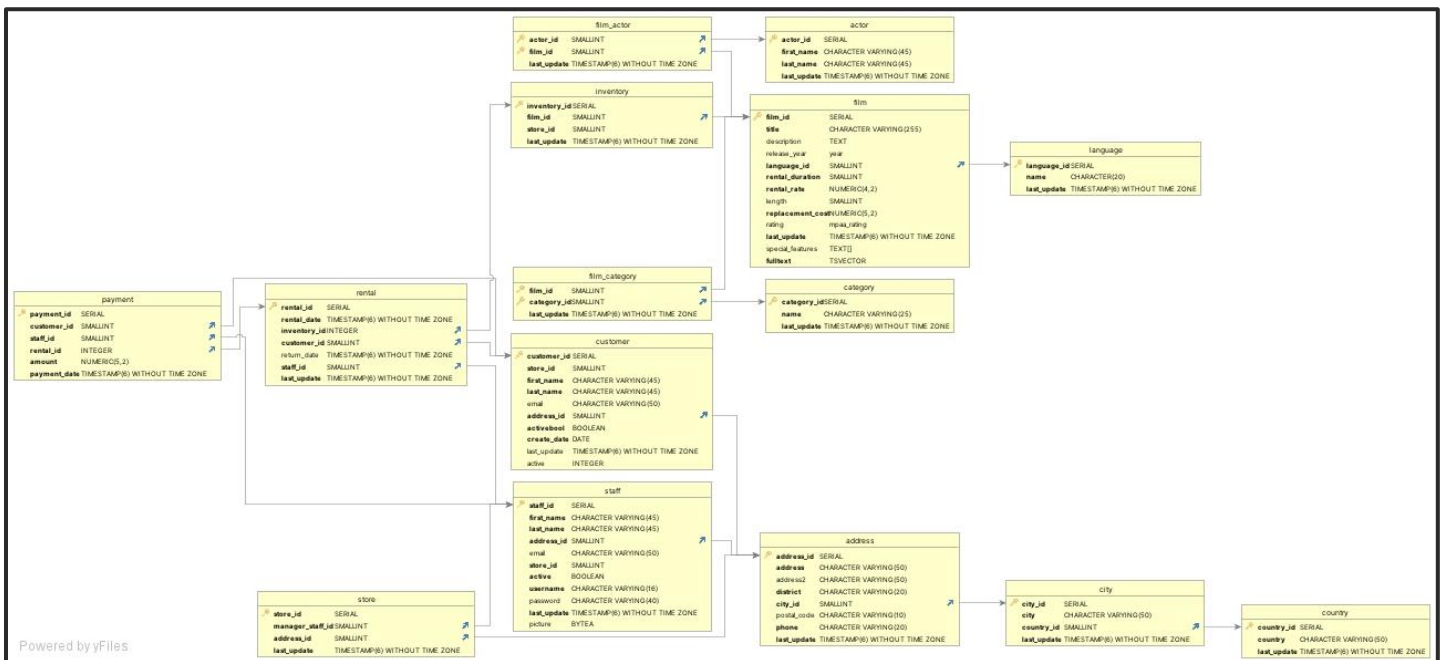
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ROCKBUSTER STEALTH

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 Database




LEGEND




	Primary Key
	Unique Key
	Primary Key Relation
	Foreign Key Relation

FACT TABLES


RENTAL

	Columns	Data Type	Description
	Rental_id	Serial	Rental id number
	Rental_date	Timestamp(s) without time zone	Date rental was taken out
	Inventory_id	Integer	Id number of each individual movie
	Customer_id	Smallint	Id number for customer
	Return_date	Timestamp(s) without time zone	The date rental was returned
	Staff_id	Smallint	Id number for staff
	Last_update	Timestamp(s) without time zone	When was each record updated



Links to

	Table	Join	Title/Name/Description
	inventory	Inventory_id	Id number of each individual movie
	customer	Customer_id	Id number for customer
	staff	Staff_id	Id number for staff


Linked from

	Table	Join	Title/Name/Description
	payment	Rental_id	Rental id number




Unique Keys

	Columns	Title/Name/Description
	Rental_id	Rental id number
	Rental_date; Return_date	Date rental was taken out; The date rental was returned



PAYMENT

	Columns	Data Type	Description
	Payment_id	Serial	Id number for payment
	Customer_id	Smallint	Id number for customer
	Staff_id	Smallint	Id number for staff
	Rental_id	Integer	Rental id number
	Amount	Numeric(5,2)	Amount of the rental
	Payment_date	Timestamp(s) without time zone	The date the payment was received

Links to


	Table	Join	Title/Name/Description
	customer	Customer_id	Id number for customer
	Staff	Staff_id	Id number for staff
	rental	Rental_id	Rental id number

Unique Keys


	Columns	Title/Name/Description
	Payment_id	Id number for payment
	Amount; Payment_date	Amount of the rental; The date the payment was received

DIMENSION TABLES

INVENTORY

	Columns	Data Type	Description
	Inventory_id	Serial	Id number of each individual movie
	Film_id	Smallint	Id number of film name
	Store_id	Smallint	Store location id
	Last_update	Timestamp(s) without time zone	When was each record updated



Links to

	Table	Join	Title/Name/Description
	film	Film_id	Id number of film name



Linked from

	Table	Join	Title/Name/Description
	rental	Inventory_id	Id number of each individual movie



Unique Keys

	Columns	Title/Name/Description
	Inventory_id	Id number of each individual movie
	Store_id	Store location id


FILM_ACTOR

	Columns	Data Type	Description
	Actor_id	Smallint	Id number for actor
	Film_id	Smallint	Id number for film name
	Last_update	Timestamp(s) without time zone	When was each record updated


Links to

	Table	Join	Title/Name/Description
	actor	Actor_id	Id number for actor
	film	Film_id	Id number for film name


Unique Keys

	Columns	Title/Name/Description
	Actor_id; Film_id	Id number for actor; Id number for film name



ACTOR

	Columns	Data Type	Description
	Actor_id	Serial	Id number for each actor
	First_name	Character varying (45)	Actor's first name
	Last_name	Character varying (45)	Actor's last name
	Last_update	Timestamp(s) without time zone	When was each record updated


Linked from

	Table	Join	Title/Name/Description
	Film_actor	Actor_id	Id number for each actor


Unique Keys

	Columns	Title/Name/Description
	Actor_id	Id number for each actor
	First_name; Last_name	Actor's first name; Actor's last name

FILM

	Columns	Data Type	Description
	Film_id	Serial	Id number for film name
	Title	Character varying (255)	Title of movie
	Description	Text	Description of movie
	Release_year	Year	When movie came out
	Language_id	Smallint	Id number for language movie is in
	Rental_duration	Smallint	How many days was rental movie taken out for
	Rental_rate	Numeric(4,2)	rental rate per day
	Length	Smallint	Length of movie in minutes
	Replacement_cost	Numeric(5,2)	Cost of movie to replace if lost/stolen
	Rating	Mpaa_rating	MPAA rating of the movie
	Last_update	Timestamp(s) without time zone	When was each record updated
	Special_features	Text	Special features included with movie
	fulltext	tsvector	Key words to look up film with

Links to

	Table	Join	Title/Name/Description
	language	Language_id	Id number for language movie is in


Linked from

	Table	Join	Title/Name/Description
←	Film_actor	Film_id	Id number for film name
←	Inventory	Film_id	Id number for film name
←	Film_category	Film_id	Id number for film name


Unique Keys

	Columns	Title/Name/Description
🔑	Film_id	Id number for film name
🔑	Title; Description; Release_year; Rental_duration; Rental_rate; Length; Replacement_cost; Rating; Special_features	Title of movie; Description of movie; When movie came out; How many days was rental movie taken out for; Rental rate per day; Length of movie in minutes; Cost of movie to replace if lost/stolen; MPAA rating of the movie; Special features included with movie



LANGUAGE

	Columns	Data Type	Description
	Language_id	Serial	Id number for language
	Name	Character(20)	Name of the language
	Last_update	Timestamp(s) without time zone	When was each record updated



Linked from

	Table	Join	Title/Name/Description
	film	Language_id	Id number for language

Unique Keys

	Columns	Title/Name/Description
	Language_id	Id number for language
	name	Name of the language


FILM CATEGORY

	Columns	Data Type	Description
	Film_id	Smallint	Id number for film name
	Category_id	Smallint	Id number for category
	Last_update	Timestamp(s) without time zone	When was each record updated


Links to

	Table	Join	Title/Name/Description
	Film	Film_id	Id number for film name
	category	Category_id	Id number for category

Unique Keys

	Columns	Title/Name/Description
	Film_id; Category_id	Id number for film name; Id number for category



CATEGORY

	Columns	Data Type	Description
	Category_id	Integer	Id number for category
	Name	Character varying (25)	Name of category
	Last_update	Timestamp(s) without time zone	When was each record updated


Linked from

	Table	Join	Title/Name/Description
	Film_category	Category_id	Id number for category


Unique Keys

	Columns	Title/Name/Description
	Category_id	Id number for category
	name	Name of category



CUSTOMER

	Columns	Data Type	Description
	Customer_id	Serial	Id number for customer
	Store_id	Smallint	Id number for store
	First_name	Character varying (45)	First name of customer
	Last_name	Character varying (45)	Last name of customer
	Email	Character varying (50)	Customer's email address
	Address_id	Smallint	Id number for address
	Activebool	Boolean	is the record active (true or false)
	Create_date	Date	When was record created
	Last_update	Timestamp(s) without time zone	When was each record updated
	active	integer	Is the record active (0 or 1)



Links to

	Table	Join	Title/Name/Description
	address	Address_id	Id number for address


Linked from

	Table	Join	Title/Name/Description
		Customer_id	Id number for customer
	rental	Customer_id	Id number for customer



Unique Keys

	Columns	Title/Name/Description
	Customer_id	Id number for customer
	Store_id; First_name; Last_name; Email	Id number for store; First name of customer; Last name of customer; Customer's email address


STORE

	Columns	Data Type	Description
	Store_id	Serial	Id number for store
	Manager_staff_id	Smallint	Id number for manager
	Address_id	Smallint	Id number for address
	Last_update	Timestamp(s) without time zone	When was each record updated


Links to

	Table	Join	Title/Name/Description
	Staff	staff_id	Id number for staff
	address	Address_id	Id number for address

Unique Keys

	Columns	Title/Name/Description
	Store_id	Id number for store




STAFF

	Columns	Data Type	Description
	Staff_id	Serial	Id number for staff
	First_name	Character varying (45)	First name of staff member
	Last_name	Character varying (45)	Last name of staff member
	Address_id	Smallint	Id number for address
	Email	Character varying (50)	Staff member email address
	Store_id	Smallint	Id number for store worked at
	Active	Boolean	Is the record active (true or false)
	Username	Character varying (16)	Staff member username
	Password	Character varying (40)	Staff member password
	Last_update	Timestamp(s) without time zone	When was each record updated
	picture	bytea	Picture of staff member



Links to

	Table	Join	Title/Name/Description
	address	Address_id	Id number for address


Linked from

	Table	Join	Title/Name/Description
	Rental	Staff_id	Id number for staff
	Payment	Staff_id	Id number for staff
	Store	Manager_staff_id	Id number for managers

Unique Keys

	Columns	Title/Name/Description
	Staff_id	Id number for staff
	First_name; Last_name; Email; Store_id; Username; password	First name of staff member; Last name of staff member; Staff member email address; Id number for store worked at; Staff member's username; Staff member's password




ADDRESS

	Columns	Data Type	Description
	Address_id	Serial	Id number for address
	Address	Character varying (50)	Customer's address
	Address2	Character varying (50)	Additional line for customer's address
	District	Character varying (20)	Customer's District (state, province, etc)
	City_id	Smallint	Id number for city customer lives in
	Postal_code	Character varying (10)	Customer's postal code
	Phone	Character varying (20)	Customer's phone number
	Last_update	Timestamp(s) without time zone	When was each record updated



Links to

	Table	Join	Title/Name/Description
	city	city_id	id number for city customer lives in


Linked from

	Table	Join	Title/Name/Description
	Customer	Address_id	Id number for address
	Staff	Address_id	Id number for address
	store	Address_id	Id number for address

Unique Keys

	Columns	Title/Name/Description
	Address_id	Id number for address
	Address; Address2; District; Postal_code; Phone	Customer's address; Additional line for customer's address; Customer's district (state, province, etc.) Customer's postal code Customer's phone number

CITY

	Columns	Data Type	Description
	City_id	Serial	Id number for customer city
	City	Character varying (50)	Name of city customer lives in
	Country_id	Smallint	Id number for country customer lives in
	Last_update	Timestamp(s) without time zone	When was each record updated



Links to

	Table	Join	Title/Name/Description
	country	Country_id	Id number for country customer lives in


Linked from

	Table	Join	Title/Name/Description
	address	City_id	Id number for customer city

Unique Keys

	Columns	Title/Name/Description
	City_id	Id number for customer city
	city	Name of city customer lives in



COUNTRY

	Columns	Data Type	Description
	Country_id	Serial	Id number for country customer lives in
	Country	Character varying (50)	Name of country
	Last_update	Timestamp(s) without time zone	When was each record updated

Linked from

	Table	Join	Title/Name/Description
	city	Country_id	Id number for country customer lives in

Unique Keys

	Columns	Title/Name/Description
	Country_id	Id number for country customer lives in
	country	Name of country

Check if bold means anything on original.

Double check what unique key means/look at examples