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ROCKBUSTER STEALTH LLC
DATA DICTIONARY








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Legend

	Primary Key
	Foreign Key
	Composite Key
	Unique Key
	Primary Key Relation (from)
	Foreign Key Relation (to)
	Composite Key Relation (with)





1. Entity Relationship Diagram (ERD)






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2. Fact tables



2.1 payment

	payment		
Key	Columns	Data type	description
	payment_id	SERIAL	Primary key for payment records. Identity increment for payment
	customer_id	SMALLINT	Identity increment for customers
	staff_id	SMALLINT	Identity increment for staff
	rental_id	INTEGER	Identity increment for film rental
	amount	NUMERIC(5,2)	Monetary amount of payment
	payment_date	TIMESTAMP(6)WITHOUT TIME ZONE	Date/time of payment

Linked to



Key	Table	Join
	customer	Payment.customer_id = customer.customer_id
	Staff	payment.staff_id = staff.staff_id
	rental	payment.rental_id = rental.rental_id

2.2 fim_category




	film_category		
Key	Columns	Data type	description
	film_id	SERIAL	Primary key for film records. Identity increment for film
	category_id	SMALLINT	Candidate key for film records. Identity increment for film category

	last_update	SERIAL	Date/time film last updated
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Linked with

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



2.3 store

	store		
Key	Columns	Data type	description
	store_id	SERIAL	Primary key for store records. Identity increment for store
	manager_staff_id	SMALLINT	Identity increment for manager & staff at store
	address_id	SMALLINT	Identity increment for store's address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time store last updated



Linked to

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

2.4 film_actor




	film_actor		
Key	Columns	Data type	description
	actor_id	SMALLINT	Primary key for actor records. Identity increment for actor
	film_id	SMALLINT	Candidate key for actor records. Identity increment for film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time actor last updated


Linked to

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


3. Dimension tables

3.1 rental




	rental		
Key	Columns	Data type	description
	Rental_id	SERIAL	Primary key for rental records. Identity increment for rental
	Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of rental
	Inventory_id	INTEGER	Identity increment for inventory
	Customer_id	SMALLINT	Identity increment for customer

	Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of return
	Staff_id	SMALLINT	Identity increment for staff
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time rental last updated



Linked from

Key	Table	Join
	Payment	payment.rental_id = rental.rental_id



Linked to

Key	Table	Join
	Inventory	rental.inventory_id = inventory.inventory_id
	Customer	rental.customer_id = customer.customer_id
	staff	rental.staff_id = staff.staff_id


3.2 costumer

	costumer		
Key	Columns	Data type	description
	Customer_id	SERIAL	Primary key for customer records. Identity increment for customer
	Store_id	SMALLINT	Identity increment for store
	First_name	CHARACTER VARYING(45)	Customer's first name
	Last_name	CHARACTER VARYING(45)	Customer's last name
	Email	CHARACTER VARYING(45)	Customer's email
	Address_id	SMALLINT	Identity increment for customer's address
	Activebool	BOOLEAN	True or False confirming whether customer active or not in system
	Create_date	DATE	Date/time customer created in system
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time customer's profile last updated
	active	INTEGER	0 or 1 integer for whether customer is active or not


Linked from


Key	Table	Join
	Payment	payment.customer_id = customer.customer_id
	Rental	rental.customer_id = customer.customer_id

Linked to




Key	Table	Join
	address	customer.address_id = address.address_id

3.3 address


	address		
Key	Columns	Data type	description
	address_id	SERIAL	Primary key for address records. Identity increment for address

	address	CHARACTER VARYING(50)	First line of address
	Address2	CHARACTER VARYING(50)	Second line of address
	District	CHARACTER VARYING(20)	Address district
	City_id	SMALLINT	Address city
	Postal_code	CHARACTER VARYING(10)	Address postal code
	phone	CHARACTER VARYING(20)	Phone number of staff
	Last_update	TIMESTAMP(6)WITHOUT TIME_ZONE	Date/time address profile last updated



Linked from

Key	Table	Join
	Customer	customer.address_id = address.address_id
	Staff	staff.address_id = address.address_id
	store	store.address_id = address.address_id




Linked to

Key	Table	Join
	city	address.city_id = city.city_id


3.4 staff

	staff		
Key	Columns	Data type	description
	staff_id	SERIAL	Primary key for staff records. Identity increment for staff
	First_name	CHARACTER VARYING(45)	Staff's first name
	Last_name	CHARACTER VARYING(45)	Staff's last name
	Address_id	SMALLINT	Identity increment for Staff's address
	Email	CHARACTER VARYING(50)	Staff's email
	Store_id	SMALLINT	Identity increment for store where staff is employed
	Active	BOOLEAN	True or False confirming whether staff active or not in system
	Username	CHARACTER VARYING(40)	Staff's username
	password	CHARACTER VARYING(40)	Staff's password
	Last_update	TIMESTAMP(6) WITHOUT TIME_ZONE	Date/time Staff's profile last updated
	Picture	BYTEA	Staff's picture

Linked from



Key	Table	Join
	Store	store.staff_id = staff.staff_id
	Payment	payment.staff_id = staff.staff_id
	rental	rental.staff_id = staff.staff_id

Linked to


Key	Table	Join
	address	staff.address_id = address.address_id

3.5 city


	city		
Key	Columns	Data type	description

	city_id	SERIAL	Primary key for city records. Identity increment for city
	city	CHARACTER VARYING(50)	Name of city
	Country_id	SMALLINT	Identity increment for country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time city last updated


Linked from

Key	Table	Join
	address	address.city_id = city.city_id


Linked to

Key	Table	Join
	country	city.country_id = country.country_id



3.6 country

	country		
Key	Columns	Data type	description
	country_id	SERIAL	Primary key for country records. Identity increment for country
	Country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time country last updated


Linked from

Key	Table	Join
	city	city.country_id = country.country_id


3.7 inventory

	inventory		
Key	Columns	Data type	description
	inventory_id	SERIAL	Primary key for inventory records. Identity increment for inventory
	Film_id	SMALLINT	Identity increment for film
	Store_id	SMALLINT	Identity increment for store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time inventory last updated

Linked from


Key	Table	Join
	rental	rental.inventory_id = inventory.inventory_id

Linked to


Key	Table	Join
	Film	inventory.film_id = film.film_id

3.8 actor



	actor		
Key	Columns	Data type	description

	actor_id	SERIAL	Primary key for actor records. Identity increment for actor
	First_name	CHARACTER VARYING(45)	Actor's first name
	Last_name	CHARACTER VARYING(45)	Actor's last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time actor last updated




Linked from

Key	Table	Join
	Film_actor	film_actor.actor_id = actor.actor_id


3.9 film

	film		
Key	Columns	Data type	description
	film_id	SERIAL	Primary key for film records. Identity increment for film
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	Description of film
	Release_year	year	Release year of film
	Language_id	SMALLINT	Language of film
	Rental_duration	SMALLINT	Rental duration of film
	Rental_rate	NUMERIC(4,2)	Rental rate of film
	length	SMALLINT	Length of film
	Replacement_cost	NUMERIC(5,2)	Replacement cost of film
	rating	Mpaa_rating	Rating of film
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time film's profile last updated
	Special_features	TEXT[]	Description of what special features are included (Trailers, Behind the scenes, etc...)
	fulltext	TSVECTOR	Summary of text describing film

Linked from


Key	Table	Join
	Film_actor	film_actor.film_id = film.film_id
	Inventory	inventory.film_id = film.film_id
	Film_category	film_category.film_id = film.film_id

3.10 language


	language		
Key	Columns	Data type	description
	language_id	SERIAL	Primary key for language records. Identity increment for language
	name	CHARACTER(20)	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time language last updated

Linked from


Key	Table	Join
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	film	film.language_id = language.language_id
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3.11 category

	category		
Key	Columns	Data type	description
	category_id	SERIAL	Primary key for category records. Identity increment for category
	name	CHARACTER(25)	Name of category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time category last updated

Linked from

Key	Table	Join
	Film_category	film_category.category_id = category.category_id