

ROCKBUSTER STEALTH LLC DATA DICTIONARY

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Legend



Primary Key



Primary Key Relation



Foreign Key Relation



Unique Key

1. Tables



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1.1. Table: Rental

Film rental transaction information for customers and employees.




	Column	Data Type	Description
🔑	rental_ID	serial	Primary key, identifies each rental transaction
	rental_date	timestamp (6) without time zone	Date of rental
🔑	inventory_id	integer	Foreign key for inventory, Identifies each film in inventory

	customer_id	small integer	Foreign key for customer, Identifies each customer
	return_date	Time stamp (6) without time zone	Date of rental return
	staff_id	small integer	Foreign key for staff, Identifies each staff member
	last_update	time stamp (6) without time zone	Date of last data base update

Links to



	Table	Join	Title/Name/Description
	Payment	Rental.Rental_ID = Payment.Rental_ID	FK_Rental_Payment_Rental_ID Foreign key constraint referencing Payment.Rental_ID



Linked from

	Table	Join	Title/Name/Description
	Inventory	Rental.Inventory_ID = Inventory.Inventory_ID	FK_Inventory_Rental_Inventory_ID Foreign key constraint referencing Rental.Inventory_ID
	Customer	Rental.Customer_ID = Customer.Customer_ID	FK_Customer_Rental_Customer_ID Foreign key constraint referencing Rental.Customer_ID
	Staff	Rental.Staff_ID =Staff.Staff_ID	FK_Staff_Rental_Staff_ID Foreign key constraint referencing Rental.Staff_ID




1.2. Table: Payment

Rental payment information for customers and staff.

	Column	Data Type	Description
	Payment_id	serial	Primary key, identifies each payment
	customer_id	small integer	Foreign key for customer, Identifies each customer




	Staff_id	Integer	Foreign key for staff, identifies each staff member
	rental_ID	Integer	Foreign key for rental, identifies each rental transaction
	Amount	numeric (5,2)	Describes amount of each transaction
	Payment_date	timestamp (6) without time zone	Date of transaction

Linked from



	Table	Join	Title/Name/Description
	Customer	Payment.Customer_ID = Customer.Customer_ID	FK_Customer_Payment_Customer_ID Foreign key constraint referencing Payment.Customer_ID
	Staff	Payment.Staff_ID = Staff.Staff_ID	FK_Staff_Payment_Staff_ID Foreign key constraint referencing Payment.Staff_ID
	Rental	Payment. Rental_ID = Rental. Rental_ID	FK_Rental_Payment_Rental_ID Foreign key constraint referencing Payment. Rental_ID

1.3. Table: Store

Lookup table containing identification of stores and managers.




	Column	Data Type	Description
	Store_id	serial	Primary key for store
	Manager_staff_id	small integer	Foreign key for staff, identifies each store manager
	Address_id	small integer	Foreign key for address, identifies each store
	last_update	time stamp (6) without time zone	Date of last data base update

Linked from



	Table	Join	Title/Name/Description
	Staff	Store.Staff_ID = Staff.Staff_ID	FK_Staff_Store_Staff_ID Foreign key constraint referencing Store.Staff_ID
	Address	Store.Address_ID = Address.Address_ID	FK_Address_Store_Address_ID Foreign key constraint referencing Store.Address_ID

1.4. Table: Film actor

Lookup table containing identification of actors and films.



	Column	Data Type	Description
 	Actor_id	small integer	Composite key for film_actor, foreign key for actor, identifies each actor
	Film_id	small integer	Composite key for film_actor, foreign key for film, identifies each film
	last_update	time stamp (6) without time zone	Date of last data base update

Links to

	Table	Join	Title/Name/Description
	Actor	Film_actor.Actor_id = Actor.Actor_ID	FK_film_actor_Actor_Actor_ID Foreign key constraint referencing Actor.Actor_ID
	Film	Film_actor.Film_id = Film.Film_ID	FK_film_actor_Film_Film_ID Foreign key constraint referencing Film.Film_ID

1.5.Table: Inventory


Lookup table containing identification of films and stores.

	Column	Data Type	Description
	Inventory_id	serial	Primary key for inventory, identifies each piece of inventory
	Film_id	small integer	Foreign key for film, identifies each film.
	Store_id	small integer	Identifies each store
	Last_update	time stamp (6) without time zone	Last inventory data base update

Links to

	Table	Join	Title/Name/Description
	Rental	Inventory. Inventory _ID = Rental. Inventory _ID	FK_ Inventory _ Rental _ Inventory _ID Foreign key constraint referencing Rental. Inventory _ID

Linked from



	Table	Join	Title/Name/Description
	Film	Inventory. Film _ID = Film. Film _ID	FK_ Film _ Inventory _ Film _ID Foreign key constraint referencing Inventory. Film _ID

1.6. Table: Film Category

Lookup table containing identification for films and film categories.


	Column	Data Type	Description
 	Film_id	small integer	Composite key for film_category, foreign key for film_actor
	Category_id	small integer	Composite key for film_category, foreign key for category
	Last_update	time stamp (6) without time zone	Last film category data base update

Links to


	Table	Join	Title/Name/Description
	Film	film_category. Film_id = Film. Film_ID	FK film_category _ Film _ Film_ID Foreign key constraint referencing Film. Film_ID
	Category	film_category. Category_id = Category. Category_ID	FK_film_category _ Category _ Category_ID Foreign key constraint referencing Category. Film_ID

1.7. Table: Category

Lookup table containing identification for film categories.



	Column	Data Type	Description
	Category_id	serial	Primary key for category
	Name	character varying (25)	Name of category
	Last_update	time stamp (6) without time zone	Last category data base update

Links to


	Table	Join	Title/Name/Description
	Film Category	category. Category_id = film_category. Category_ID	FK_ Category _ film_category _ Category_ID Foreign key constraint referencing film_category. Category_ID

1.8. Table: Staff

Staff identification and information for stores.

	Column	Data Type	Description
	Staff_id	Serial	Primary key for staff
	First_name	Character varying (45)	First name of staff member
	Last_name	Character varying (45)	Last name of staff member
	Address_id	Small integer	Foreign key for address, address of staff member store location
	Email	Character varying (50)	Email of staff member
	Store_id	Small integer	Identifies store
	Active	Boolean	Determines if staff member is active
	Username	Character varying (16)	Username of staff member
	Password	Character varying (40)	Password of usernames
	Last_update	Timestamp (6) without time zone	Last update of staff database
	Picture	BYTEA	Picture of staff member

Links to


	Table	Join	Title/Name/Description
	Payment	staff. staff_id = Payment. staff_ID	FK_staff_Payment_staff_ID Foreign key constraint referencing Payment. staff_ID

Linked from

	Table	Join	Title/Name/Description
	Address	staff. Address_ID = Address. Address_ID	FK_Address_staff_Address_ID Foreign key constraint referencing staff. Address_ID

1.9. Table: Actor

Lookup table containing identification for actors.



	Column	Data Type	Description
	Actor_id	Serial	Primary key for actor
	First_name	Character varying (45)	First name of actor
	Last_name	Character varying (45)	Last name of actor
	Last_update	Timestamp (6) without time zone	Last update of actor data base

Links to

	Table	Join	Title/Name/Description
	Film Actor	Actor. Actor_id = film_actor. Actor_ID	FK_Actor_film_actor_Actor_ID Foreign key constraint referencing film_actor. Actor_ID

1.10. Table: Film


Descriptive information for films in inventory.

	Column	Data Type	Description
	Film_id	Serial	Primary key for film
	Title	Character varying (255)	Title of film
	Description	Text	Description of film
	Release_year	Year	Year of film release
	Language_id	Small integer	Foreign key for language
	Rental_duration	Small integer	Duration of rental
	Rental_rate	Numeric (4,2)	Rate of rental
	Length	Small integer	Length of film
	Replacement_cost	Numeric (5,2)	Cost of replacement
	Rating	Mpaa rating	Mpaa rating of film
	Last_update	Timestamp (6) without time zone	Last update of film database
	Special_features	Text	Special features of film
	Fulltext	Tsvector	Text searching

Links to



	Table	Join	Title/Name/Description
	Inventory	Film. Film_id = Inventory. Film_ID	FK_Film _ Inventory _ Film _ID Foreign key constraint referencing Inventory. Film_ID

Linked from



	Table	Join	Title/Name/Description
	Language	Film. Language_ID = Language. Language_ID	FK_ Language _ Film _ Language_ID Foreign key constraint referencing Film. Language_ID

1.11. Table: Customer


Customer contact information for stores.

	Column	Data Type	Description
	Customer_id	Serial	Primary key for customer
	Store_id	Small integer	Identifies store
	First_name	Character varying (45)	First name of customer
	Last_name	Character varying (45)	Last name of customer
	Email	Character varying (50)	Email of customer
	Address_id	Small integer	Foreign key for address
	Activebool	Boolean	Determines if customer is an active member
	Create_date	Date	Date of membership creation
	Last_update	Timestamp (6) without time zone	Last update of customer data base
	Active	Integer	Number of active customers

Links to



	Table	Join	Title/Name/Description
	Payment	Customer. Customer_id = Payment. Customer_ID	FK_Customer_Payment_Customer_ID Foreign key constraint referencing Payment. Customer_ID
	Rental	Customer.Customer_ID = Rental.Customer_ID	FK_Customer_Rental_Customer_ID Foreign key constraint referencing Rental.Customer_ID

Linked from



	Table	Join	Title/Name/Description
	Address	Customer. Address_ID = Address. Address_ID	FK_Address_Customer_Address_ID Foreign key constraint referencing Customer. Address_ID

1.12. Table: Address


Location and address information for customers and stores.

	Column	Data Type	Description
	Address_id	Serial	Primary key for address
	Address	Character varying (50)	Address of customers
	Address2	Character varying (50)	Secondary address of customers
	District	Character varying (20)	District of each store
	City_id	Small integer	Foreign key for city
	Postal_code	Character varying (10)	Postal code for each address
	Phone	Character varying (20)	Phone number
	Last_update	Timestamp (6) without time zone	Last update of address data base

Links to


	Table	Join	Title/Name/Description
	Customer	Address. Address_id = Customer. Address_ID	FK_Address _ Customer _ Address_ID Foreign key constraint referencing Customer. Address_ID
	Staff	Address. Address_ID = Staff. Address_ID	FK_Address _ Staff _ Address_ID Foreign key constraint referencing Staff. Address_ID
	Store	Address. Address_ID = Store. Address_ID	FK_Address _ Store _ Address_ID Foreign key constraint referencing Store. Address_ID

Linked from

	Table	Join	Title/Name/Description
	City	Address. City_ID = City. City_ID	FK_City _ Address _ City_ID Foreign key constraint referencing Address. City_ID

1.13. Table: Language

Lookup table containing identification of film languages.



	Column	Data Type	Description
	Language_id	Serial	Primary key for language
	Name	Character varying (20)	Name of language
	Last_update	Timestamp (6) without time zone	Last update of language data base

Links to


	Table	Join	Title/Name/Description
	Film	Language. Language_id = Film. Language_ID	FK_Language _ Film _ Language_ID Foreign key constraint referencing Film. Language_ID

1.14. Table: City

City lookup table.

	Column	Data Type	Description
	City_id	Serial	Primary key for city
	City	Character varying (50)	Name of city
	Country_id	Small integer	Foreign key for country
	Last_update	Timestamp (6) without time zone	Last update of city data base

Links to


	Table	Join	Title/Name/Description
	Address	City. City_id = Address. City_ID	FK_City _ Address _ City_ID Foreign key constraint referencing Address. City_ID

Linked from

	Table	Join	Title/Name/Description
	Country	City. Country_ID = Country. Country_ID	FK_Country _ City _ Country_ID Foreign key constraint referencing City. Country_ID


1.15. Table: Country

Country lookup table.

	Column	Data Type	Description
	Country_id	Serial	Primary key for country

	Country	Character varying (50)	Name of country
	Last_update	Timestamp (6) without time zone	Last update of country data base

Links to

	Table	Join	Title/Name/Description
	City	Country. Country _id = City. Country _ID	FK_ Country _ City _ Country _ID Foreign key constraint referencing City. Country _ID