**ROCKBUSTER STEALTH**

**Data Directory**

**Table of Contents**

Entity Relationship Diagram (ERD)………………………………………………………………………………………………..2

Legend………………………………………………………………………………………………………………………………………….3

Fact Table: Rental…………………………………………………………………………………………………………………………3

Dimension Table: Actor……………………………………………………………………………………………………3

Dimension Table: Address………………………………………………………………………………………………..4

Dimension Table: Category……………………………………………………………………………………………...4

Dimension Table: City……………………………………………………………………………………………………….4

Dimension Table: Country…………………………………………………………………………………………………5

Dimension Table: Customer………………………………………………………………………………………………5

Dimension Table: Film……………………………………………………………………………………………………….6

Dimension Table: Film Actor……………………………………………………………………………………………..6

Dimension Table: Film Category………………………………………………………………………………………..6

Dimension Table: Inventory……………………………………………………………………………………………….7

Dimension Table: Language……………………………………………………………………………………………….7

Dimension Table: Payment………………………………………………………………………………………………..7

Dimension Table: Staff……………………………………………………………………………………………………….8

Dimension Table: Store………………………………………………………………………………………………………8

**Entity Relationship Diagram (ERD)**

Diagram

Description automatically generated with medium confidence

**Legend**

|  |  |
| --- | --- |
| Key icon - | **Primary Key** |
| Key icon - 100 Icons Download | **Foreign Key** |

**Fact Table: Rental**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Rental\_id | SERIAL | Identification number assigned to each rental order | [Payment](#Dimension_Table_Payment) |
|  | Rental\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of rental |  |
| Key icon - 100 Icons Download | Inventory\_id | INTEGER | Inventory identification number | [Inventory](#Dimension_Table_Inventory) |
| Key icon - 100 Icons Download | Customer\_id | SMALLINT | Customer identification number | [Customer](#Dimension_Table_Customer) |
|  | Return\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of returned |  |
| Key icon - 100 Icons Download | Staff\_id | SMALLINT | Staff identification number processing rental order | [Staff](#Dimension_Table_Staff) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Actor\_id | SMALLINT | Number assigned to Actor | [Film Actor](#Dimension_Table_Film_Actor) |
|  | First\_name | CHARACTER VARYING (45) | First name of the actor |  |
|  | Last\_name | CHARACTER VARYING (45) | Last Name of the actor |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Address**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | address\_id | SERIAL | Unique Id Address of Store | [Customer](#Dimension_Table_Customer), [Staff](#Dimension_Table_Staff), [Store](#Dimension_Table_Store) |
|  | address | CHARACTER VARYING (50) | Address of store |  |
| Key icon - 100 Icons Download | Address\_2 | CHARACTER VARYING (50) | Address of store |  |
| Key icon - 100 Icons Download | district | CHARACTER VARYING (20) | Area of store |  |
|  | City\_id | SMALLINT | Unique Id of City | [City](#Dimension_Table_City) |
| Key icon - 100 Icons Download | Postal\_code | CHARACTER VARYING (10) | Postal code |  |
|  | phone | CHARACTER VARYING (20) | Phone number |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | category\_id | SMALLINT | ID assigned to each movie category | [Film Category](#Dimension_Table_Film_Category) |
|  | name | CHARACTER VARYING (25) | Number assigned to each category |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: City**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | city\_id | SERIAL | ID assigned to each city | [Address](#Dimension_Table_Address) |
|  | city | CHARACTER VARYING (25) | city |  |
| Key icon - 100 Icons Download | Country\_id | SMALLINT | ID assigned to each country | [Country](#Dimension_Table_Country) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Country**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | country\_id | SERIAL | ID assigned to each country | [City](#Dimension_Table_City) |
|  | country | CHARACTER VARYING (50) | country |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Customer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Customer\_id | SMALLINT | Number assigned to customer | [Payment](#Dimension_Table_Payment), [Rental](#Dimension_Table_Rental) |
| Key icon - 100 Icons Download | address\_id | SMALLINT | Address of Customer | [Address](#Dimension_Table_Address) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |
|  | First\_name | CHARACTER VARYING (45) | First name of the customer |  |
|  | Last\_name | CHARACTER VARYING (45) | Last Name of the customer |  |
|  | email | CHARACTER VARYING (45) | Customer email address |  |
| Key icon - 100 Icons Download | Store\_id | SERIAL | Serial number assigned to each rental order | [Store](#Dimension_Table_Store) |
|  | Active | BOOLEAN | Whether or not this staff is active employee |  |
|  | Username | CHARACTER VARYING (45) | Staff username |  |
|  | Password | CHARACTER VARYING (45) | Staff account password |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |
|  | picture | BYTEA | Staff password |  |

**Dimension Table: Film**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Film\_id | SMALLINT | Number assigned to film | [Film Actor](#Dimension_Table_Film_Actor), [Film](#Dimension_Table_Film), [Category](#Dimension_Table_Category), [Inventory](#Dimension_Table_Inventory) |
|  | Title description | CHARACTER VARYING (45) | Film Title |  |
|  | Release\_year | Year | Release year of the film |  |
| Key icon - 100 Icons Download | Language\_id | SMALLINT | Number assigned to each language | [Language](#Dimension_Table_Language) |
|  | Rental\_duration | SMALLINT | Duration of the fild |  |
|  | Rental\_rate | NUMERIC (4,2) | Total number of the ever being rented |  |
|  | Length | SMALLINT | Length of the film |  |
|  | Replacement\_cost | NUMERIC (5,2) | Cost to re-orfder film in case of defect or missing |  |
|  | Rating | Mpaa\_rating | Film Rating |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Film Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Actor\_id | SMALLINT | Number assigned to Actor | [Actor](#Dimension_Table_Actor) |
| Key icon - 100 Icons Download | Film\_id | SMALLINT | Number assigned to fil | [Film](#Dimension_Table_Film) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Film Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Film\_id | SMALLINT | Number assigned to store manager | [Film](#Dimension_Table_Film) |
| Key icon - 100 Icons Download | category\_id | SMALLINT | Number assigned to store manager | [Category](#Dimension_Table_Category) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Inventory**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Inventory\_id | SERIAL | Serial number assigned to each rental order | [Rental](#Dimension_Table_Rental) |
| Key icon - 100 Icons Download | Store\_id | SERIAL | Serial number assigned to each rental order | [Store](#Dimension_Table_Store) |
| Key icon - 100 Icons Download | Film\_id | SMALLINT | Number assigned to store manager | [Film](#Dimension_Table_Film) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Language**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | language\_id | SERIAL | ID assigned to each language | [Film](#Dimension_Table_Film) |
|  | name | CHARACTER VARYING (20) | Name of Language |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |

**Dimension Table: Payment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Payment\_id | SERIAL | Serial number assigned to each rental order |  |
| Key icon - 100 Icons Download | Customer\_id | SMALLINT | Number assigned to customer | [Customer](#Dimension_Table_Customer) |
| Key icon - 100 Icons Download | Staff\_id | SMALLINT | Number assigned to employee | [Staff](#Dimension_Table_Staff) |
| Key icon - 100 Icons Download | Rental\_id | INTEGER | Number assigned to rental | [Rental](#Dimension_Table_Rental) |
|  | Amount | INTEGER (5,2) | Amount Paid |  |
|  | Payment\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of Payment |  |

**Dimension Table: Staff**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Staff\_id | SMALLINT | Number assigned to each staff | [Payment](#Dimension_Table_Payment), [Rental](#Dimension_Table_Rental) |
|  | First\_name | CHARACTER VARYING (45) | First name of the staff |  |
|  | Last\_name | CHARACTER VARYING (45) | Last Name of the staff |  |
|  | email | CHARACTER VARYING (45) | staff email address |  |
| Key icon - 100 Icons Download | Address\_id | SMALLINT | Adress of Staff | [Address](#Dimension_Table_Address) |
| Key icon - 100 Icons Download | Store\_id | SERIAL | Serial number assigned to each rental order | [Store](#Dimension_Table_Store) |
|  | Active | BOOLEAN | Whether or not this staff is active employee |  |
|  | Username | CHARACTER VARYING (45) | Staff username |  |
|  | Password | CHARACTER VARYING (45) | Staff account password |  |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |
|  | picture | BYTEA | Staff password |  |

**Dimension table: Store**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Link** |
| Key icon - | Store\_id | SERIAL | Serial number assigned to each rental order | [Customer](#Dimension_Table_Customer), [Inventory](#Dimension_Table_Inventory), [Staff](#Dimension_Table_Staff) |
|  | Manager staff\_id | SMALLINT | Number assigned to store manager |  |
| Key icon - 100 Icons Download | Address\_id | SMALLINT | Number assigned to store address | [Address](#Dimension_Table_Staff) |
|  | Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Last update of the data entry |  |