**Rockbuster Stealth LLC Data Dictionary**

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1. Legend

|  |  |
| --- | --- |
| page9image1072431456 | **Primary Key** |
| page6image1237500864 | **Foreign Key** |
| A yellow and black logo  Description automatically generated with low confidence | **Composite Key** |

2. Entity Relationship Diagram – ERD

Diagram

Description automatically generated

3. Tables

3.1 actor (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 actor\_id | SERIAL | Number assigned to actor |
| first\_name | CHARACTER VARYING(45) | Actor’s first name |
| last\_name | CHARACTER VARYING(45) | Actor’s last name |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| film\_actor | film\_actor.actor\_id = actor.actor\_id |

3.2 address (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 address\_id | SERIAL | Number assigned to address |
| address | CHARACTER VARYING(50) | Primary address |
| address2 | CHARACTER VARYING(50) | Secondary address |
| district | CHARACTER VARYING(20) | District of address |
| page6image1237500864 city\_id | SMALL INT | Number assigned to city |
| postal\_code | CHARACTER VARYING(10) | Postal code for address |
| phone | CHARACTER VARYING(10) | Phone number |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| store | store.address\_id = address.address\_id |
| staff | staff.address\_id = address.address\_id |
| customer | customer.address\_id = address.address\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| city | address.city\_id = city.city\_id |

3.3 category (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 category\_id | SERIAL | Number assigned to category |
| name | CHARACTER VARYING(25) | Name of category |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| film\_category | film\_category.category\_id = category.category\_id |

3.4 city (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 city\_id | SERIAL | Number assigned to city |
| city | CHARACTER VARYING(50) | Name of city |
| page6image1237500864 country\_id | SMALL INT | Number assigned to country |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| address | address.city\_id = city.city\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| country | city.country\_id = country.country\_id |

3.5 country (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 country\_id | SERIAL | Number assigned to country |
| country | CHARACTER VARYING(50) | Name of country |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| city | city.country\_id = country.country\_id |

3.6 customer (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 customer\_id | SERIAL | Number assigned to customer |
| store\_id | SMALL INT | Number assigned to store |
| first\_name | CHARACTER VARYING(45) | First name of customer |
| last\_name | CHARACTER VARYING(45) | Last name of customer |
| email | CHARACTER VARYING(50) | Email address of customer |
| page6image1237500864 address\_id | SMALL INT | Address of customer |
| activebool | BOOLEAN | Is customer active? |
| create\_date | DATE | Date entry created |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |
| active | INTEGER | Is customer active? |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| payment | payment.customer\_id = customer.customer\_id |
| rental | rental.customer\_id = customer.customer\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| address | customer.address\_id = address.address\_id |

3.7 film (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456film\_id | SERIAL | Number assigned to film |
| title | CHARACTER VARYING(255) | Title of film |
| description | TEXT | Description of film |
| release\_year | YEAR | Release year of film |
| page6image1237500864 language\_id | SMALL INT | Language of film |
| rental\_duration | SMALL INT | How long the film was rented for? |
| rental\_rate | NNUMERIC (4,2) | Rental rate of film |
| Length | SMALL INT | How long the film is? |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| film\_actor | film.actor.film\_id = film.film\_id |
| film\_category | film\_category..film\_id = film.film\_id |
| inventory | Inventory\_film\_id = film.film\_id |

**Linked To**

|  |  |
| --- | --- |
| Table | Join |
| language | film.language\_id = language.language\_id |

3.8 film\_actor (fact table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| A yellow and black logo  Description automatically generated with low confidence actor\_id | SMALL INT | Number assigned to actor |
| A yellow and black logo  Description automatically generated with low confidence film\_id | SMALL INT | Number assigned to film |
| last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| actor | film\_actor.actor\_id = actor.actor\_id |
| film | film\_actor.film\_id = film.film\_id |

3.9 film\_category (fact table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| A yellow and black logo  Description automatically generated with low confidence film\_id | SMALL INT | Number assigned to film |
| A yellow and black logo  Description automatically generated with low confidence category\_id | SMALL INT | Number assigned to category of film |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| category | film\_category.category\_id = category.category\_id |
| film | film\_category.film\_id = film.film\_id |

3.10 inventory (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 inventory\_id | SERIAL | Number assigned to inventory |
| page6image1237500864 film\_id | SMALL INT | Number assigned to film |
| store\_id | SMALL INT | Number assigned to store |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| rental | rental.inventory\_id = inventory.inventory\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| film | inventory.film\_id = film.film\_id |

3.11 language (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 language\_id | SERIAL | Number assigned to id |
| name | CHARACTER VARYING(20) | Name of language |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| film | film.language\_id = language.language\_id |

3.12 payment (fact table)

|  |  |  |
| --- | --- | --- |
| **Columns** | **Data Type** | **Description** |
| page9image1072431456 payment\_id | SERIAL | Number assigned to payment |
| page6image1237500864 customer\_id | SMALL INT | Number assigned to customer |
| page6image1237500864 staff\_id | SMALL INT | Number assigned to employee |
| page6image1237500864 rental\_id | INTEGER | Number assigned to rental |
| amount | NUMERIC (5,2) | Amount of payment |
| payment\_date | TIMESTAMP (6) WITHOUT TIMEZONE | Date of payment |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| customer | payment.customer\_id = customer.customer\_id |
| rental | payment.rental\_id = rental.rental \_id |
| staff | payment.staff\_id = staff.staff\_id |

3.13 rental (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 rental\_id | SERIAL | Number assigned to rental |
| rental\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of rental |
| page6image1237500864 inventory\_id | INTEGER | Number assigned to inventory |
| page6image1237500864 customer\_id | SMALL INT | Number assigned to customer |
| return\_date | NUMERIC (5,2) | Date of return |
| staff\_id | SMALL INT | Number assigned to employee |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| payment | payment.rental\_id = rental.rental\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| customer | rental.customer\_id = customer.customer\_id |
| inventory | rental.inventory\_id = inventory.inventory\_id |
| staff | rental.staff\_id = staff.staff\_id |

page9image10724314563.14 staff (dimension table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| staff\_id | SERIAL | Number assigned to staff |
| first\_name | CHARACTER VARYING(45) | First name of employee |
| last\_name | CHARACTER VARYING(45) | Last name of employee |
| page6image1237500864 address\_id | SMALL INT | Address of employee |
| email | CHARACTER VARYING(50) | Email of employee |
| store\_id | SMALL INT | Number assigned to store |
| active | BOOLEAN | If employee is employed? |
| username | CHARACTER VARYING(16) | Username for employee |
| password | CHARACTER VARYING(40) | Password for employee |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |
| picture | BYTEA | Picture of employee |

**Linked From**

|  |  |
| --- | --- |
| **Table** | **Join** |
| payment | payment.staff\_id = staff.staff\_id |
| rental | rental.staff\_id = staff.staff\_id |
| store | store.store\_id = staff.store\_id |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| address | staff.address\_id = address.address\_id |

3.15 store (fact table)

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| page9image1072431456 store\_id | SERIAL | Number assigned to store |
| manager\_staff\_id | SMALL INT | Number assigned to manager |
| page6image1237500864 address\_id | SMALL INT | Number assigned to address of store |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date of most recent entry update |

**Linked To**

|  |  |
| --- | --- |
| **Table** | **Join** |
| staff | store.store\_id = staff.store\_id |
| address | store.address\_id = address.address\_id |