**Rockbuster Stealth LLC**

**Data Dictionary**

**Background pattern

Description automatically generated**

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**ERD**

**Diagram

Description automatically generated**

**Fact Tables**

|  |  |  |  |  |  |  |  |  |
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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Payment | PK | payment\_id | [PK] integer | Payment ID | Customer | payment.customer\_id = customer.customer\_id | N/A |  |
|  | FK | customer\_id | smallint | Customer ID | Staff | payment.staff\_id = staff.staff\_id |  |  |
|  | FK | staff\_id | smallint | Staff ID | Rental | payment.rental\_id = rental.rental\_id |  |  |
|  | FK | rental\_id | integer | Rental ID |  |  |  |  |
|  |  | amount | numeric (5,2) | Amount |  |  |  |  |
|  |  | payment\_date | timestamp without time zone | Date of payment |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Rental | PK | rental\_id | [PK] integer | Rental ID | Inventory | rental.inventory\_id = inventory.inventory\_id | Payment | payment.rental\_id = rental.rental\_id |
|  |  | rental\_date | timestamp without time zone | Date of rental | Customer | rental.customer\_id = customer.customer\_id |  |  |
|  | FK | inventory\_id | integer | Inventory ID | Staff | rental.staff\_id = staff.staff\_id |  |  |
|  | FK | customer\_id | smallint | Customer ID |  |  |  |  |
|  |  | return\_date | timestamp without time zone | Date of return |  |  |  |  |
|  | FK | staff\_id | smallint | Staff ID |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

**Dimension Tables**

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Actor | PK | actor\_id | [PK] integer | Actor ID | N/A |  | Film Actor | film\_actor.actor\_id = actor.actor\_id |
|  |  | first\_name | character varying (45) | First name |  |  |  |  |
|  |  | last\_name | character varying (45) | last name |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Address | PK | address\_id | [PK] integer | Address ID | City | address.city\_id = city.city\_id | Customer | customer.address\_id = address.address\_id |
|  |  | address | character varying (50) | Address line 1 |  |  | Staff | staff.address\_id = address.address\_id |
|  |  | address2 | character varying (50) | Address line 2 |  |  | Store | store.address\_id = address.address\_id |
|  |  | district | character varying (20) | District |  |  |  |  |
|  | FK | city\_id | smallint | City |  |  |  |  |
|  |  | postal\_code | character varying (10) | Postal code |  |  |  |  |
|  |  | phone | character varying (20) | Phone number |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Category | PK | category\_id | [PK] integer | Category ID | N/A |  | Film Category | film\_category.category\_id = category.category\_id |
|  |  | name | character varying (25) | Category name |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| City | PK | city\_id | [PK] integer | City ID | Country | city.country\_id = country.country\_id | Address | address.city\_id = city.city\_id |
|  |  | city | character varying (50) | City name |  |  |  |  |
|  | FK | country\_id | smallint | Country ID |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Country | PK | country\_id | [PK] integer | Country ID | N/A |  | City | city.country\_id = country.country\_id |
|  |  | country | character varying (50) | Country |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Customer | PK | customer\_id | [PK] integer | Customer ID | Address | customer.address\_id = address.address\_id | Rental | rental.customer\_id = customer.customer\_id |
|  | FK | store\_id | smallint | Store |  |  | Payment | payment.customer\_id = customer.customer\_id |
|  |  | first\_name | character varying (45) | First name |  |  |  |  |
|  |  | last\_name | character varying (45) | last name |  |  |  |  |
|  |  | email | character varying (50) | Email |  |  |  |  |
|  | FK | address\_id | smallint | Address ID |  |  |  |  |
|  |  | activebool | boolean | Customer active (true/false) |  |  |  |  |
|  |  | create\_date | date | Creation date |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |
|  |  | active | integer | Active integer (1/0) |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Film | PK | film\_id | [PK] integer | Film ID | Language | film.language\_id = language.language\_id | Film Actor | film\_actor.film\_id = film.film\_id |
|  |  | title | character varying (255) | Film title |  |  | Inventory | inventory.film\_id = film.film\_id |
|  |  | description | text | Film desciption |  |  | Film Category | film\_category.film\_id = = film.film\_id |
|  |  | release\_year | integer | Release year |  |  |  |  |
|  | FK | language\_id | smallint | Language |  |  |  |  |
|  |  | rental\_duration | smallint | Rental duration |  |  |  |  |
|  |  | rental\_rate | numeric (4,2) | Rental rate |  |  |  |  |
|  |  | length | smallint | Film length (minutes) |  |  |  |  |
|  |  | replacement\_cost | numeric (5,2) | Replacement cost of no return |  |  |  |  |
|  |  | rating | mpaa\_rating | Film rating |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |
|  |  | special\_features | text | Special features |  |  |  |  |
|  |  | fulltext | tsvector | Film index |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Film Actor | PK | actor\_id | [PK] smallint | Actor ID | Actor | film\_actor.actor\_id = actor.actor\_id | N/A |  |
|  | PK | film\_id | [PK] smallint | Film ID | Film | film\_actor.film\_id = film.film\_id |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Film Category | PK | film\_id | [PK] smallint | Film ID | Film | film\_category.film\_id = film.film\_id | N/A |  |
|  | PK | category\_id | [PK] smallint | Category ID | Category | film\_category.category\_id = category.category\_id |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Inventory | PK | inventory\_id | [PK] integer | Inventory ID | Film | inventory.film\_id = film.film\_id | Rental | rental.inventory\_id = inventory.inventory\_id |
|  | FK | film\_id | smallint | Film ID |  |  |  |  |
|  |  | store\_id | smallint | Store ID |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Language | PK | language\_id | [PK] integer | Language ID | N/A |  | Film | film.language \_id = language.language\_id |
|  |  | name | character (20) | Name (of language) |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Staff | PK | staff\_id | [PK] integer | Staff ID | Address | staff.address\_id = address.address\_id | Payment | payment.staff\_id = staff.staff\_id |
|  |  | first\_name | character varying (45) | First name |  |  | Rental | rental.staff\_id = staff.staff\_id |
|  |  | last\_name | character varying (45) | Last name |  |  | Store | store.manager\_staff\_id = staff.staff\_id |
|  | FK | address\_id | smallint | Address ID |  |  |  |  |
|  |  | email | character varying (50) | Email |  |  |  |  |
|  | FK | store\_id | smallint | Store ID |  |  |  |  |
|  |  | active | boolean | Staff active (true/false) |  |  |  |  |
|  |  | username | character varying (16) | Staff username |  |  |  |  |
|  |  | password | character varying (40) | Staff password |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |
|  |  | picture | bytea | Staff picture |  |  |  |  |

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| **Table** | **Key** | **Column** | **Data Type** | **Description** | **Links to Table** | **Join** | **Linked From Table** | **Join** |
| Store | PK | store\_id | [PK] integer | Store ID | Staff | store.manager\_staff\_id = staff.staff\_id | N/A |  |
|  | FK | manager\_staff\_id | smallint | Manager staff ID | Address | store.address\_id = address.address\_id |  |  |
|  | FK | address\_id | smallint | Address ID |  |  |  |  |
|  |  | last\_update | timestamp without time zone | Last updated |  |  |  |  |