

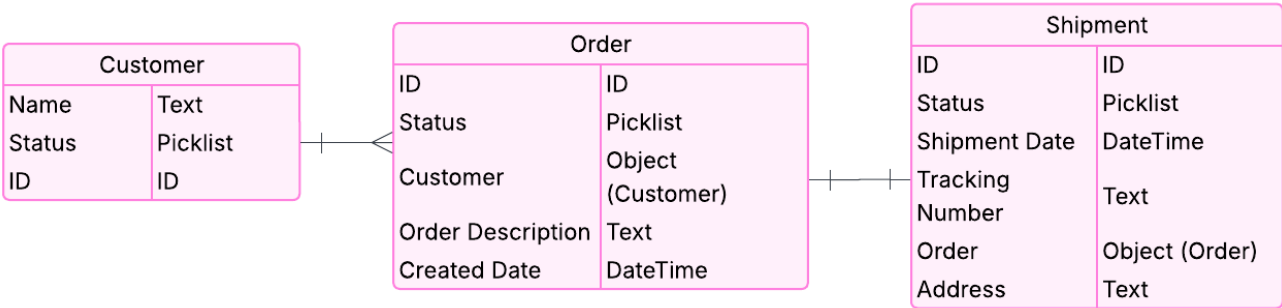
Order & Shipment Automation for QuickTrack

Project Overview

This proof of concept demonstrates an end-to-end solution in Veeva Vault where:

- Creating a new `Order__c` record linked to `Customer__c` automatically triggers creation of a linked `Shipment__c` record via Vault Java SDK.
- `Shipment__c` records include logic for generating its required fields, including a tracking number and an address.
- A custom report details the relationship between `Customer__c`, `Order__c`, and `Shipment__c`, enabling business users to filter and view order fulfillment data.

Object Relationships



Trigger Configuration

Trigger Class: `OrderShipmentTrigger.java`

Trigger Event: `AFTER_INSERT` on `Order__c`

Logic Summary:

- When an order is inserted, a corresponding `Shipment__c` record is created.
- `shipment_tracking_number__c` is generated using the format: `trk-[orderId]`.
- If the order's name is "Quick Track", the shipment address is defaulted to: `1500 Broadway Ave, New York, NY`.

Error Handling:

- If shipment creation fails, the transaction is rolled back using a `RollbackException`.

API Usage (Postman and curl)

Customers and Orders are created via the Vault REST API using Postman.

Sample Request (one insert):

```
POST /api/v25.1/vobjects/order__c
Headers:
Authorization: {session ID}
Content-Type: application/json
X-VaultAPI-MigrationMode: true
Accept: application/json

Body (x-www-form-urlencoded):
name__v: Order 1
customer__c: VEM000000003001
status__v: active__v
order_name__c: Quick Track Supplies
```

Sample Request (bulk insert):

```
curl -X POST -H "Authorization: {sessionID}" \
-H "Content-Type: text/csv" \
-H "Accept: text/csv" \
--data-binary @"../order_import_sample.csv" \
https://vaultsystemintegration-candidate-exercise-
srinija.veevavault.com/api/v25.1/vobjects/order__c
```

Go to this [Link](#) for sample collection and environment.

Report Configuration

Report Type: Custom

Primary Object: Order__c

Related Objects:

- Customer__c (via lookup)
- Shipment__c (child relationship)

Fields Included:

- Customer__c.name__v
- Order__c.id
- Order__c.order_date__c
- Shipment__c.status__c
- Shipment__c.shipment_tracking_number__c

Filter:

- Order Date Range
-

File Structure

```
README.md
/src/
  OrderShipmentTrigger.java
/postman/
  Order_Create.json
/report/
  Orders_with_Shipments_and_Customers_Report_Screenshot.png
```

Known Limitations / Open Points

- `address__c` on `Shipment__c` must always be set; logic currently defaults only for "Quick Track" orders.
 - Future iterations could support multiple shipments per order.
 - `Shipment Status` could be converted to a picklist with controlled lifecycle values.
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How to Run / Test

1. Use Postman to create a new `Order__c` record.
 2. Confirm that a `Shipment__c` is created via the SDK trigger.
 3. Navigate to the custom Vault report to verify visibility of linked records.
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Handoff Notes

This README, Java trigger code, Postman collection, and screenshots can be used by any Vault developer or administrator to reproduce, extend, or maintain the current setup.