

[DocuCommit](#)

[Projects](#)

Login

Document Navigation

- [Invariants](#)

ZephyrCart

- **API reference**
 - **Products**
 - **Orders**
 - **Customers**
 - **Webhooks**
- **Architecture**
 - **How a request flows**
 - **Data model**
 - **Deployment topology**
- **Integrations**
 - **Stripe**
 - **Migrating from Shopify**
 - **ERP bridge**
- **Quickstart**

- **Installation**
- **Your first product**
- **A test checkout, end to end**
- **Intro**
- **Changelog**

[Projects](#)

[ZephyrCart](#)

[Architecture](#)

Data model

Data model

The relationships between the top-level resources. Cardinality is shown next to the line; 1 . . n means one customer can have many orders, never the inverse.

```
{ "meta": "placeholder – this fenced block is rendered by the drawio escape hatch on the live server. The local app exposes an in-app editor for it." }
```

A textual version of the same shape, for screen readers and grep-ability:

- A **tenant** owns everything below.
- A **customer** belongs to one tenant. Has 1 . . n orders, 1 . . n carts, 0 . . n payment methods, 1 . . n addresses.
- A **product** belongs to one tenant. Has 1 . . n variants. Variants carry the price and the inventory.
- A **cart** belongs to one tenant, optionally to one customer. Has 1 . . n line items, each pointing at a variant.
- A **checkout session** belongs to one cart. Is the immutable, signed handoff to the hosted payment page.
- An **order** is the immutable promotion of a cart at the moment of payment. It carries a snapshot of the line items, not a reference, so price changes do not retroactively alter historical orders.
- A **refund** belongs to one order. Up to N refunds can sum to # the order total.

Invariants

- Currency is set on the cart at creation and cannot change. A cart cannot mix currencies.
- A product's `currency` does not constrain the cart's currency — pricing tables handle the cross-product per-currency price.

- Order line items snapshot product name, SKU, and unit price at the moment the order is created. Editing the product after the fact does not retroactively change the order.
- Customer email is unique per tenant, case-folded.