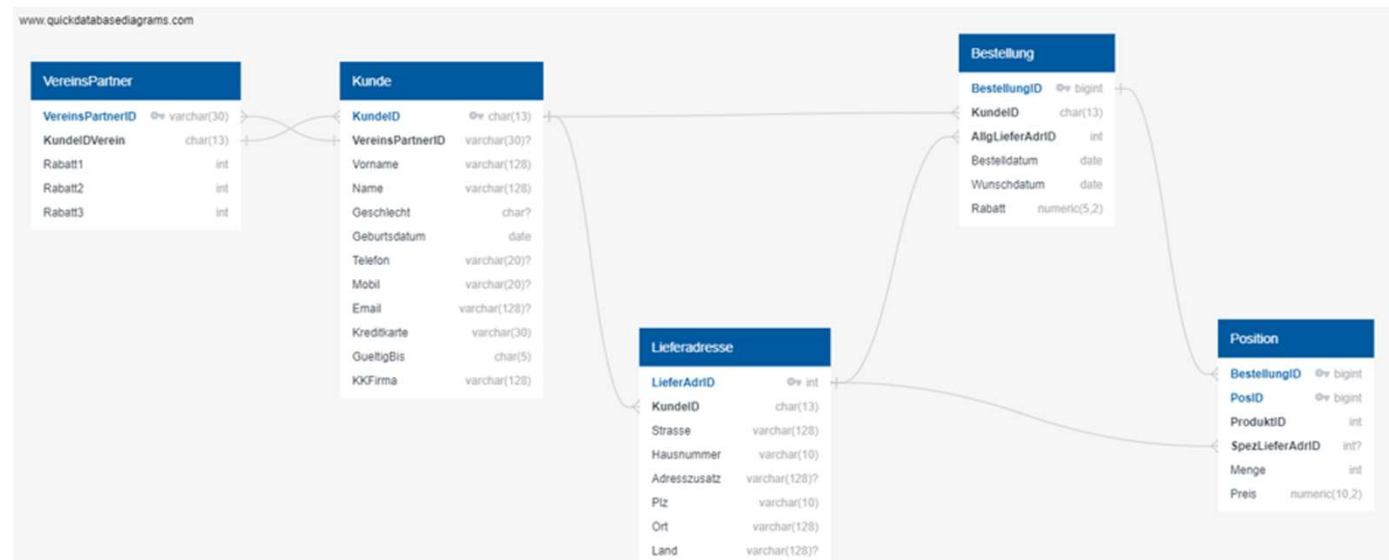


# Evaluation criterium 3: Validity in Relationships

The relationship between ORDER (Bestellung) and POSITION (Position) cannot change. The key situation makes every change a deletion and a new creation.

All other relationships can change. The test cases are all implemented on the foreign key in CUSTOMER (Kunde) to ASSOCIATION PARTNER (Vereinspartner).



The following situations occur here:

- the foreign key is optional and therefore also NULL
- The foreign key changes between ASSOCIATION PARTNERS
- The foreign key changes from "valid" to "invalid" - and some cases then even back to "valid" again

# Evaluation criterium 3 (cont): Validity in Relationships

## Identifying Relationship and Driving Keys

To track and identify changes of relationships, we defined **status satellites** (Postfixed with `_sts`), which can be used for either links or hubs.

They contain a cdc-attribute (either "I" – insert or "D" – delete)

The load logic depends on the data-delivery (full-load, partial-load, cdc-delivery).

The idea here is, that further downstream no knowledge regarding the load-logic is necessary.

In case there is a driving-key for a link, an effectivity satellite view is set on top of the status-satellite and the link (Postfixed with `_es`), which enddate all entries no longer valid.

