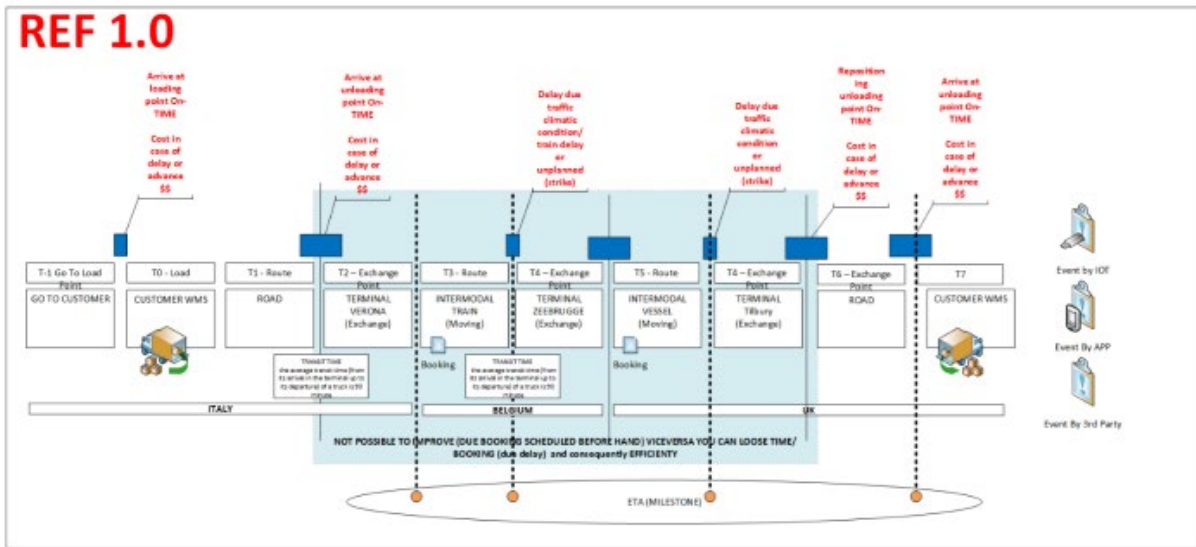


# LL16 D4YOU / CODOGNOTTO

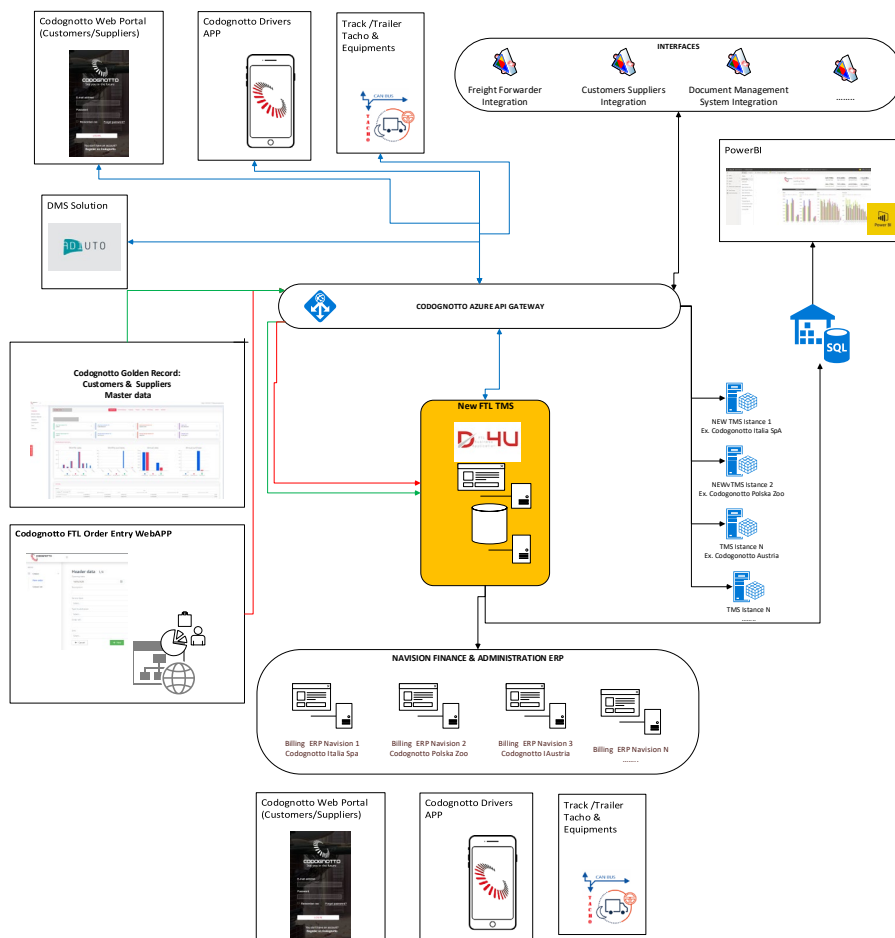
## Information based on previous input

- Transport. This is about loading goods at one location and transporting them to another. In complex multi-modal chains, transport is decomposed in load and discharge.
- Transshipment. This is about moving cargo (via temporary storage) from one transport means to another, where both transport means can have a different modality.

## Interaction List and Data flows:



The objects involved in the LL are customer orders, transportation orders for hauliers, trucks, trailers, containers, transport documents, invoices.



## Concept

- Mapping of data flows to transaction pattern - Covered by the semantic model
  - No publish, search, find
  - No booking
  - Ordering and planning
  - Visibility – these are all visibility events of a service provider to its customer(s) and potential an authority(-ies) with two basic functions
    - Reporting event for completion of an action
    - Update events of a plan, e.g. ETA event
- Mapping data objects to semantic model – Covered by the semantic model
- Interactions and their structure - Data flows covered by the semantic model. D4You is sharing data using REST APIs with JSON format. D4You can also use different formats for sharing data
- Identification of relevant functionality of the architecture. These are specifically important for scalability and interoperability of a solution. It concerns:
  - Identification and authentication – Covered by LDAP Active Directory standard
  - Service Registry – We will use the Service Registry that will be defined in the Architecture Board
  - Visibility/index – It will be defined by Architecture Board
  - Access policies – The access policies are defined only internally to the D4You platform.
  - Data transformation (e.g. semantic adapter) – For data transformation will be done with a semantic adaptor based on the semantic model, probably with Microsoft Synapse.
  - Data storage – the data is stored by the data owner and it is shared when necessary by integration layer.