

LL10 HERMES/GRIMALDI

(Information derived from previous input)

Business services Transport. We provide support to this business services, but we don't trace loading goods at one location and transporting them to another, we are just the carrier and provide data about positions of our mobile assets.

Interaction list

- Speed Over Ground - Speed of the Ship in kn
- Destination - Next Port of the Ship
- ETA - Estimate Time of Arrival of the Ship
- Latitude - Geographical position
- Longitude - Geographical position

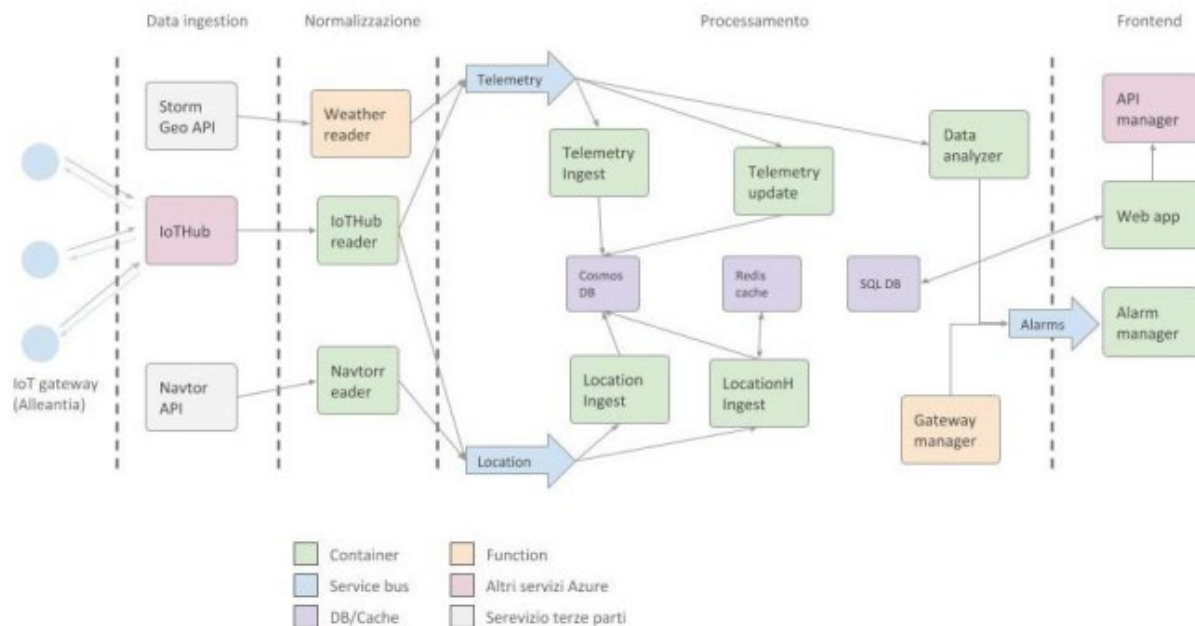
All data comes from Hermes LL to Terminal San Giorgio LL

Data flows - Continuous flow of data with a frequency of 5 minutes using APIs

Objects:

- ship-location API - Returns the location of a ship at specified timestamp. The timestamp must be expressed in epoch time
- ship-location-last API - Get the last location of a ship
- ship-location-range API - Get all the locations of a ship in a specified timestamp range, expressed in epoch time

IT systems



Concept

- What use is made of a common, FEDeRATED semantic model and how would you like to use it?
What type of support is required?
Grimaldi is evaluating the development of a semantic model together with Circle.
Circle is going to develop a semantic model for Terminal San Giorgio and Grimaldi asked them to

cooperate in order to get the same solution for a better interoperability between two LLs.

Functionality to be considered:

- Mapping of data flows to transaction patterns.
Not indicated
- Mapping of data objects to the semantic model.
No
- Interactions and their structure – are the interactions identified in the data flows developed by the case?
Not yet
- Is an existing data carrier applied and an implementation guide of that data carrier constructed?
Not Yet
- Syntax used for sharing data
Actually we are using JSON
A data carrier REST APIs, JSON,
- Identification of relevant functionality of the architecture
 - Identification and authentication
Basic http AUTH
 - Service Registry
No, there isn't a service registry.
 - Visibility/index
We don't have an index
 - Access
Can't answer to this question now considering that we don't have developed a semantic model
 - Data transformation (e.g. semantic adapter)
Can't answer to this question now considering that we don't have developed a semantic model
 - Data storage
Can't answer to this question now considering that we don't have developed a semantic model