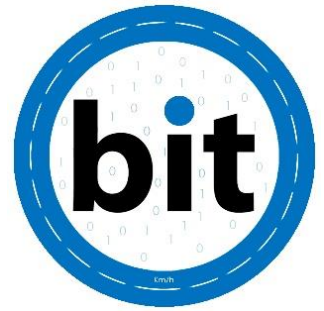


Abstract

Tercera entrega 25/10/2019

Ruta en GitLab: /Ingles03001/Abstract/



Abstract on Bit SRL's ATLS (Automobile Transportation Logistic System)

Why?

ATLS is a bookkeeping-like software suite for Vehicular Logistic systems that aims to ensure Integrity, Consistency and Efficiency of records for companies that provide said services. If their current records were digitalized, the low cost and high speed + reliability of storage would facilitate the statistical analysis required to properly optimize such services, which paper records do not facilitate, as well as ensuring data integrity.

How?

As part of the feedback process, a need was found to be able to represent other transportation means besides trucks. ATLS was then expanded to include these means as Database Entities. This represents a need for systems to provide extensibility, since it's likely that the client will eventually need to add features. We later developed a messaging system using JSON documents, which facilitate the storage of metadata.

So what?

During development we have found that current systems were very limited, and did not allow users to analyze key information nor to extend their scope. This represents a need in the market for extensible systems. Applications should consider migrating towards plugin based architectures, to allow for clients to extend their system to their needs.