

## **First Software Project – component (a)**

I wanted to choose from JADE or PADE, but finally I decided to go ahead with JADE, because it would be more interesting for me to get out of my comfort zone.

Java Agent Development Framework, or JADE, is a software framework for the development of intelligent agents, implemented in Java. JADE system supports coordination between several agents FIPA and provides a standard implementation of the communication language FIPA-ACL, which facilitates the communication between agents and allows the services detection of the system. JADE was originally developed by Telecom Italia and is distributed as free software.

JADE is a middleware which facilitates the development of multi-agent systems under the standard FIPA for which purpose it creates multiple containers for agents, each of them can run on one or more systems. It's understood that a set of containers constitutes a platform.

Some things that JADE provides and I'll be using on this first project on multi-agent systems:

- An environment where JADE agents are executed;
- Class libraries to create agents using heritage and redefinition of behaviors;
- A graphical toolkit to monitoring and managing the platform of intelligent agents.