

Mission Statement

Intelligent agents are a modelling paradigm, based on the notion of agents with mental states. The Jadex reasoning engine follows the Belief Desire Intention (BDI) model and facilitates [easy intelligent agent construction](#) with sound software engineering foundations. It allows for programming intelligent software agents in [XML and Java](#) and can be deployed on different kinds of middleware such as [JADE](#) .

To enable the creation of intelligent agents several different constituent parts have to be assembled. It is necessary to provide an agent architecture that at least takes into account agent-internal, agent society and artificial intelligence (AI) concepts. It is a property of agent research that interesting research results in various isolated areas exist, but that these results are not integrated into superordinated architectures. Therefore until now no standards can address the construction of intelligent agents in all facets.

Summary

The Jadex research project is conducted by the [Distributed Systems and Information Systems Group](#) at the [University of Hamburg](#) . The developed software framework is available under GNU's LGPL license, and is continuously evolving. The project's file releases are kindly hosted by the [SourceForge.net](#) portal. The projects web presence is based on a wiki and thus allows Jadex users to contribute in various ways. The reasoning engine has been put into practice in the context of several [research, teaching, and industrial application scenarios](#) some of which are described here in the web.

Related Projects

The Jadex BDI agent systems relies on [Jadex Rules](#) , which is a lightweight small forward chaining rule engine.