

Towards an Intelligent Agent Model Component agent Model

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The objective of the paper is to advance the research in component-based software development by including agent oriented software engineering techniques. Agent oriented Component-based software development is the next step after object-oriented programming that promises to overcome the problems, such as reusability and complexity that have not yet been solved adequately with object-oriented programming. Component-based software development addresses the complexity problem by producing software from smaller, typically black box components. These advantages have also been identified by the industry and hence a number of commercial component models have been developed. But with the introduction of intelligent agents in component, the model will be able to provide advanced tools and framework for the development of intelligent system. Although these component models have been developed in the past, but are not very useful when dealing with large Multi agent system application, simulation and modeling, as well as for distributed application. We try to provide a first step towards the right direction that is not only scratching the surface of software composition.

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