

Software Management Based on Mobile Agents

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There is a need for better management of company's software. It means global access control and hierarchical version control for all the software, used in a project environment. This management involves control of the software reuse even if it is free access software.

The directives, we present in this document are designed to set traceability of used software from the project creation until its last evolution. Because this kind of information belongs to the project itself, it has to be saved closely to the core data of the project. A software management directive improves the quality of the project and insures a better maintainability.

Our management system is based on mobile agent system. The agents observe the use and context of any software. Such mobile agent system is able to create reports about the activities of the software but also, the agent collect data, which will be the basis of a software map of the company. It will also increase the opportunity for software reuse and consequent productivity improvements.

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