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EFFECTIVE METERING APPROACH TO S/W APPLICATION USING MOBILE AGENTS

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Abstract

In today's communication the user's reliability on access to data and handling it over the web is highly increasing. The earlier communications where users used to be standalone or network users have increased and grown as mobile users. This has made the environment to be open to access to data. The requested data is then provided after authentication and watched for the number of users in the customer side. Though there are facilities of server based authentication for licenses, it still provides facilities for users to access the application and utilities bypassing the owner of the application at the provider side. The proposed approach provides intelligence to Mobile Agents for checking the number of users at a point of time. The Mobile Agent [1][7] will be generated whenever the application starts and monitors the number of users at a point of time. A provision for master agent concept for controlling set of agents instead of a single master is being proposed, as a single master cannot control several agents at a point of time. Since the agent state management is very strong the requests are handled efficiently and agents will strictly control and provide notifications whenever the application licenses exceed.

Keywords: Mobile Agent, Software Piracy, Software Metering, Master Agent, Slave Agent, License Requests, License Provider