Title
Limited Mobile Agents: A Practical Approach

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"Limited Mobile Agents: A Practical Approach"
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Abstract:

Mobile Agents are a newly emerging network application technology in
which programs can travel throughout a network to run on machines
other than the originating host. Extensive research on Mobile Agents
has been ongoing for many years and many Mobile Agent systems have
been developed. However, there has not yet been any widespread
acceptance of Mobile Agents as a viable technology by the Internet
community. We examine the existing forms of mobile code technology
and suggest using a limited form of Mobile Agent in conjunction with
proxy servers for the purpose of client customization. We explore the
issues of security, flexibility, deployability, and the utility of
client customization using mobile agents and proxies, with the aim of
developing a practical system that can be integrated into today's
Internet. The benefits of using these agents for customization
include performance improvements through the reduction of network
latency, as well as improving the client's interface to distributed
data sources through merging, filtering, and custom displays.