

ABSTRACT

Mobile agent paradigm is an emerging technology nowadays. It is said to be increasing response time because the code is moved to resources for computation. Motivated by the need to do software upgrades for configuration management, an agent system for transferring documents over local area network was implemented. A performance evaluation was made with client-server computing paradigm in terms of communication costs to transfer files ranging from 100 Kbytes to 2000 Kbytes. We found that mobile agents approach can be used to transfer files over local area network with some performance overhead caused by the agent itself.