Abstract

Mobile agent technology provide a computing infrastructure in which a program in the form of a software agent can run at any host, suspend its execution, transfer itself to another host and resume execution at the new host. As the agent migrated between multiple hosts that are trusted to different degrees causes new security threats from malicious agents and hosts. Mobile applications must balance security requirements with the help of available security mechanism in order to meet application level security goals. In this paper a new security mechanism is proposed to protect the agent from attacks. In this proposed mechanism the mobile code will be encrypted using Triple DES before it starts traversing in the network so that only authenticated hosts can read the current data and state of the mobile agent.

References

An Efficient Approach for Mobile Agent Security

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Index Terms

Computer Science

Security
Keywords

Mobile Agent  security issues  security requirements  protecting agent platform  protecting agent

Triple DES