Abstract

In the modern communication system for Mobile agent, where security is major issue to safe transfer the data by secure method. Mobile agents have autonomous software entity when a mobile agent works in the host environment due to security problem raises during functioning, for the high security it resume its execution in another host after suspend its execution in previous host. Due to this it can be loss some of its important data (i.e. Personal information, internal code, state and password). This personal information is updated by host and another mobile agent working under same host environment. In this research paper, an algorithm is proposed to secure mobile agent from the agent platform in which they can execute to do their
necessary computation. So in this system various agents work concurrently and use their resources for concerned host platform in random manner. Mobile agent can travel in different number of hosts in distributed network; during the journey it can change its state and secret code. Mobile agent technology has many benefits but it has a possibility risks from risky platform that can change their internal state and code. In this proposed system/infrastructure SAB (Security Alert Bank) serves as a group of agent platform, which is called domain. The SAB maintains information about the domain, which is used by mobile agents to decide whether it is safe to visit the domain or not.

References

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**Index Terms**

Computer Science

Security
Keywords