Abstract

In the past few years, Mobile agent technology is one of the emerging, fastest growing and promising concepts for the development of applications. A mobile agent is composition of computer program that proceed autonomously for a user or application moving in the heterogeneous communication environment. This survey presents “pure fault tolerance technique” that enables a system to continue operating their functions properly while, occurrence of the failure of some of its components in mobile agent systems. It is mandatory that the mobile agents should be reliable so that mobile agent’s technology continues. To verify fault and failure free process of mobile agent based applications, consistency need to be addressed. Fault tolerance is important to the further expansion of mobile agent applications. In the framework of mobile agents, fault-tolerance prevents an incomplete or entire loss of the agent, i.e., it confirms that the agent arrives at its target.


Index Terms

Computer Science

Information Sciences
Keywords