Abstract

An intrusion detection system has become a standard component of security infrastructure. Mobile agents transportable in network, gather information, evaluate and guide the alarm to network administrator. Advantage of having the mobile agent based approach in IDS that there is no centralized failure, less latency rate of data transmission and it has real time capability to generate the alarm against the intrusion. Despite of having many number of advantages of agent based IDS, it have some challenges like security of agent from attacker and high time to detection. which need to address. This paper present Mobile Agent Based decentralized and Fault Tolerant Intrusion Detection System to detect user anomalies in windows environment. This paper focus on the protection of mobile agent from malicious host.
Agent based Decentralized and Fault Tolerant Intrusion Detection System

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**Index Terms**

Computer Science

Network Security

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**Keywords**
Agent based Decentralized and Fault Tolerant Intrusion Detection System

Machine Learning  Data Mining  Intrusion Detection System (IDS)  Denial Of Service (DoS)