Abstract

Protecting enterprises from hackers, viruses and other security vulnerabilities is a primary concern for all IT System. Since IT systems become more and more interconnected, they also become exposed to an increasing number of attacks. In order to develop high security systems, many have relied on intrusion detection and prevention systems (IDPSs) as a solution. In this paper, Host Based Distributed IDS with Multi Agent System (MAS) is proposed, where each node on the network will have an IDS agent runs independently and monitors network traffic, local activities, including user and systems activities, and communication activities. The IDS agents on each node in the network work together via a cooperative intrusion detection algorithm to decide when and how the network is being attacked.

References

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Index Terms

Computer Science
Security
Keywords
Distributed IDS  Agent  Multi Agent Systems  Routing  Intruder