

**Document category** : Scopus

**Title** : The architecture of saaid: Secured autonomous agent-Based intrusion detection system

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**Abstract** : SAAIDS architecture is developed to overcome three issues on existing agent-based intrusion Detection System (IDS); single-point of failure, hierarchical structure on multilevel authorization problem and delay on information sending. Besides that, the architecture tend to provide secure agent communication and protection of the agent itself. In overcoming single-point failure the architecture is designed to enrol all components in an agent. P2P connection solved hierarchical structure on multilevel authorization problem and delay on information sending by its design which provides direct connection between agents. In avoiding single point of bottle-neck, the architecture was designed with agent communication protocol functions as queuing message sending by its forms and priority. The architecture components and processes discussed in this paper.

**Subject** : Agent communication; Agent-Based intrusion detection system; Computer networks and communications; Computer security

**Type** : Conference Paper

**Source title** : Proceedings of the 4th IASTED International Conference on Advances in Computer Science and Technology, ACST 2008

**ISSN** :

**ISBN** : 9780-8898-6730-7

**Publisher** :

**Year issue** : 2008

**Language** : English