
Multi-level and Secured Agent-based Intrusion Detection System.

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Abstract

Since Intrusion Detection System (IDS) has become necessary security tool for detecting attacks on computer network and resources, it is therefore essential to improve on previous designs. In past, many mobile agent-based IDSs have been designed, but there still exists some drawbacks. Some of these drawbacks are low detection efficiency, high false alarm rate and agent security. A multi-level and secured IDS architecture that is based on mobile agent is presented on this work to correct these drawbacks. Implementing the new design using JAVA shows a better performance over previous designs.