ICCSET-[018]
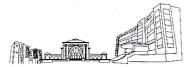# Improving Automatic Response Model System for Intrusion Detection System

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Abstract

Intrusion Detection System (IDS) is a system used to detect attacks on a network system. IDS can be divided into two types: host-based intrusion detection systems (HIDS) and network-based intrusion detection Systems (NIDS). NIDS is mostly used because it consist of several sub-network nodes and more easily to control the host activities. One of the problems occurred on the NIDS is not yet integrated with system response and consume time delay to handling the incident being attacked occurs. In this research, we proposed a model of automatic response model through SMS sending to handling system based on detection information. The automated response system works by detecting incoming messages from network administrator and executing instructions against the attacked system based on NIDS detection. We use Snort IDS as NIDS machine to produce alert intrusion. The experimental results showed that the proposed model of automatic response system model on attack detection mechanism with the success of response of at least 80% based on the instructions of network administrator done through short message send (sms).

Keywords: NIDS, automatic response, short message send.