Abstract

Cloud Computing is a modern style of computer services. This system has some of similarities with distributed systems, through using network environment features. Therefore the security is one of most critical issues in this type of environment. Because of vast number of users become connected to the network with times, the opportunity for malicious users or an attack to perform damage actions becomes very great and profitable. One of the major security challenges in cloud environment is the detection of any attempts of intrusions and attacks. In order to detect these malicious activities especially Denial of Service (DoS) attack, this paper will propose Learning Classifier System for Intrusion Detection System (LCS-IDS) to detect DoS in cloud environment attacks by taking advantage of learning from attacks themselves and simulate possible DoS attacks through Genetic Algorithm, generator, to rise detection rate compared with other systems in this field.

References


**Index Terms**

Computer Science

Distributed System
Keywords
Cloud computing  Intrusion Detection  Denial of Service  Learning Classifier System.