Abstract

Nowadays it is very important to maintain a high level security to ensure safe and trusted communication of information between various organizations. But secured data communication over internet and any other network is always under threat of intrusions and misuses. To control these threats, recognition of attacks is critical matter. Probing, Denial of Service (DoS), Remote to User (R2L) Attacks are some of the attacks which affects large number of computers in the world daily. Detection of these attacks and prevention of computers from it is a major research topic for researchers throughout the world. In this paper idea for use of a Genetic Algorithm (GA) based approach for generation of rules to detect Probing, DoS and R2L attacks on the system is proposed.

References

Index Terms

Computer Science
Security

Keywords

Probing  Denial of Service and Remote to User attacks  Genetic Algorithm
Intrusion Detection System Rule Set
KDD Cup 99 Dataset