Abstract

Internet is one of the boons to society and companies to move into an age of reliable and open communications. This open communication sometimes produces vulnerabilities and glitches such as financial losses, reputation damage, service availability maintenance, guarding the customer data and personal data and much more, and rushing both organizations and service providers to take necessary steps to protect their important data from intruders, hackers, and insiders. Intrusion Detection System has become the mandatory need for the successful content networking. SNORT is one of the open source tool for detecting malicious activities. It prevents users or source IP addresses from entering into the network. This project applied encryption for text files by using cryptographic algorithms like ElGamal and RSA. It has been observed that Snort is effective for compressed data for both the algorithms. It has been found that as the size of the file increases, the run time is constant for compressed data, whereas in plain text, it varied drastically.
Performance Analysis of Mail Clients with RSA and ElGamal using SNORT

6. Ryan Spangler , Packet Sniffer Detection with AntiSniff, University of Wisconsin – Whitewater, Department of Computer and Network Administration, May 2003
10. S. Mrdovic, E. Zajko. Secured Intrusion Detection System Infrastructure, University of Sarajevo/Faculty of Electrical Engineering, Sarajevo, Bosnia and Herzegovina (ICAT 2005).

Index Terms

Computer Science
Security
Keywords

IDS, IPS, SNORT, Mail