Abstract

Information is considered to be an asset for any organizations. Malicious attacks/threats can compromise the security and trust of a system, which shall be controlled by introducing Intrusion Detection System. In order to offer maximum security for the confidential data and the corresponding data integrity, a novel Integrity model based Intrusion Detection system is proposed. Hence, the optimum Integrity is increased by increasing the intrinsic attributes of Information System like accuracy, consistency and reliability. The proposed research paper tries to propose a model for improving the optimum information Integrity by quantifying the intrinsic integrity attributes so that the data may not get compromised.
- Barbara, D., N. Wu, and S. Jajodia
Integrity Model based Intrusion Detection System: A Practical Approach

- "Detecting Novel Network Intrusions Using Bayes Estimators", Proceedings Of the First SIAM Int. Conference on Data Mining, (SDM 2001), Chicago, IL.
- Manganaris, S., M. Christensen, D. Zerkle, and K. Hermiz
- Clifton, C., and G. Gengo
- "Developing Custom Intrusion Detection Filters Using Data Mining", 2000 Military Communications International, Los Angeles, California, October 22-25.
- Lee, W., and S. Stolfo
- "Data Mining Approaches for Intrusion Detection", in Proceedings of the 7th USENIX Security Symposium, San Antonio, TX.

Index Terms
Computer Science
Security

Keywords
DBMS; Malicious attacks; Threats; Intrusion Detection System; Data Integrity