Abstract

India is progressively moving ahead in the field of Information technology. The concept of e-commerce is already in place whereas e-governance is also on the same track. Similarly other sectors like health, judiciaries etc. are following the path. With the advent of information technology, malevolent people now have another option to cause damage to people by doing cyber attacks rather than physical damage, wherein the impact of cyber damage is equally devastating. As people are launching themselves into the e-world completely, the Cloud as a service is now shaping up the future. Since the cloud services are available through internet, it is the need of hour to prevent cyber attacks and at the same time trace the ill-willed persons for the sake of securing business, personal information and nation. Data Mining techniques and algorithms contribute tremendously to this task of assuring security of information on the cloud. In this paper, review of various data mining techniques and algorithms is presented which can help achieve security of information on cloud.

References

- Dharminder Kumar and Deepak Bhardwaj, "Rise of Data Mining: Current


- Albert Greenberg, James Hamilton, David A. Maltz and Parveen Pate, "The Cost of a Cloud: Research Problems in Data Center Networks," Microsoft Research, Redmond, WA, USA.

- Qian Tao, Huiyou Chang, Yang Yi, and Chunqin Gu, "A Trustworthy Management Approach For Cloud Services QOS Data," Proceedings of the Ninth International
  - Mohammad Farhatullah, &quot;ALP: An Authentication and Leak Prediction Model for
    Cloud Computing Privacy&quot;, 3rd IEEE International Advance Computing Conference
    (IACC), 2013.
  - P. Mell and T. Grance, &quot;Draft nist working definition of cloud computing -
  - Arjun Kumar, HoonJae Lee, and Rajeev Pratap Singh, &quot;Efficient and Secure Cloud
    Storage for Handling Big&quot;, Data, Information Science and Service Science and Data
    Mining (ISSDM), 2012.
  - Zhidong Shen and Qiang Tong, &quot;The Security of Cloud Computing System enabled
    by Trusted Computing Technology&quot;, 2010 2nd International Conference on Signal
    Processing Systems (ICSPS), IEEE, 2010
  - P Jayashree, K. S. Easwarakumar, Anandharaman V, Aswin K, and Raja Vijay S,
    &quot;A Proactive Statistical Defense Solution for DDOS Attacks in Active Networks&quot;, First
  - Saeed Samet and Ali Miri, &quot;Privacy-Preserving Protocols for Perceptron Learning
    Algorithm in Neural Networks&quot;, 2008 4th International IEEE Conference &quot;Intelligent
  - Jian Wang, Yongcheng Luo, Shuo Jiang, and Jiajin Le, &quot;A Survey on
  - Aman Bakshi and Yogesh B, &quot;Securing cloud from DDOS Attacks using Intrusion
    Detection System in Virtual Machine&quot;, 2010 Second International Conference on
  - Shiguo wang, &quot;A Comprehensive Survey of Data Mining-based Accounting-Fraud
    Detection Research&quot;, 2010 International Conference on Intelligent Computation

**Index Terms**

Computer Science  
Data Mining

**Keywords**

Cloud  
Data Mining  
Intrusion Detection  
Information Security