

Data Integrity Attacks in Cloud Computing: A Review of Identifying and Protecting Techniques

ABSTRACT

Cloud computing has been growing tremendously in recent years. Many organizations are switching their traditional computing model to a cloud based because of its low cost and pay-as-you-go manner. Although Cloud Service Provider (CSP) ensures that the data stored in their remote cloud server will be intact and secure. But there are many data integrity issues that need to be addressed. In Cloud environment, lack of data integrity is a major concern. In this paper, we have surveyed several past studies which identify the issues related to cloud data storage security such as data theft, unavailability, and data breach of cloud server data. We have also provided a detailed analysis of types of data integrity attacks and their mitigation techniques.

Keywords: Data Integrity, Cloud Computing, IDS/IPS, Attack, Security, Vulnerabilities.

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