Abstract

Log records are important part of an organization. Maintaining log records securely for a longer period of time is important for proper functioning of any organization. Since log files contain record of system events, the confidentiality and privacy of log data should be maintained and also integrity of log data and logging process should be ensured. The log data are stored in the server with in an organization for a fixed time and sent to the cloud. There will be a great chance of attack when log data are stored in plain text in the server of an organization. However, deploying a secure logging framework is one of the main difficulties that an organization faces in this new era. In this paper, we present an approach for secure logging by which log data can be sent to the cloud directly at run time.
References

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http://en.wikipedia.org/wiki/Log4j

Index Terms

Computer Science

Distributed System

Keywords

Logging  Secure Logging  Cloud  Rest  Encryption