Data Leakage Detection using Cloud Computing

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Abstract: *Data leakage has become a critical concern for organizations, as sensitive information can be unintentionally or maliciously disclosed, leading to severe consequences such as financial losses, reputation damage, and legal implications. Cloud computing offers a scalable and cost-effective solution for data storage and processing, but it also introduces new challenges in terms of data security and privacy. The proposed approach leverages the capabilities of cloud computing to enhance data leakage detection.*

Keywords: Cloud Computing, Data security, Machine Learning, Risk Mitigation, Anomaly Detection.

REFERENCES

[1]. Ryan, D. Mark, ―Cloud computing privacy concerns on our doorstep.‖ Communications of the ACM 54.1 (2011): 36-38.

[2]. Srijanya K and N. Kasiviswanath, ―Data Integrity Verification by Third Party Auditor in Remote Data Cloud,‖ International Journal of Soft Computing and Engineering, 3(5), 2013.

[3]. K. He, C. Huang, J. Shi and J. Wang, ―Public Integrity Auditing for Dynamic Regenerating Code Based Cloud Storage,‖ IEEE Symposium on Computers and Communication (ISCC), 2016.

[4]. P. Mell and T. Grance, ―The NIST definition of cloud computing,‖ Communications of the ACM, vol. 53, no. 6, 2010.

[5]. K. Yang and X. Jia, ―An Efficient and Secure Protocol for Ensuring Data Storage Security in Cloud Computing,‖ IEEE Transactions on Parallel and Distributed Systems, 2012.

[6]. D. Meister, J. Kaiser, and A. Brinkmann, "Block locality caching for data deduplication," in Proc. 6th Int. Syst. Storage Conf., 2013, pp. 1–12.

[7]. M. Lillibridge, K. Eshghi, and D. Bhagwat, "Improving restore speed for backup systems that use inline chunk-based deduplication," in Proc. 11th USENIX Conf. File Storage Technol, Feb. 2013, pp. 183–197.

[8]. V. Tarasov, A. Mudrankit, W. Buik, P. Shilane, G. Kuenning, and E. Zadok, "Generating realistic datasets for deduplication analysis," in Proc. USENIX Conf. Annu. Tech. Conf., Jun. 2012, pp. 261–272.

[9]. D. T. Meyer and W. J. Bolosky, "A study of practical deduplication," ACM Trans. Storage, vol. 7, no. 4, p. 14, 2012.

[10]. G. Wallace, F. Douglis, H. Qian, P. Shilane, S. Smaldone, M. Chamness, and W. Hsu, "Characteristics of backup workloads in production systems," in Proc. 10th USENIX Conf. File Storage Technol., Feb.2012,pp.33–48.

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