Abstract

Cloud computing is the process and adoption of existing technologies and paradigms. The aim of cloud processing is to allow users to take benefit from all of these solutions, without the need for deep information about or competence with each of them. This new era of information storage service also introduces new security issues, because data is organized on third party which might not exactly be trust deserving always. Data integrity is main security concern. Information integrity is the preservation of, and the guarantee of the accuracy and consistency of, data over its entire life-cycle. This kind of survey paper elaborates different protocols that verify remote control data accuracy. These protocols have been proposed a model for ensuring the long-term security and availability of data stored at remote untrusted hosts.

References

1. Yong Yu, Liang Xu, Man Ho Au, Willy Susilo, Jianbing Ni, Yafang Zhang, Athanasios V. Vasilakos, Jian Shen, “Cloud data integrity checking with an identity-based auditing mechanism
2. Kai He, Chuanhe Huang, Jiaoli Shi, Jinhai Wang, “Feature Public Integrity Auditing for
Dynamic Regenerating Code Based Cloud Storage”, IEEE Symposium on Computers and
Communication (ISCC), 2016.
Hussain, Zaid AlaaHussien, Deqing Zou, “An Efficient Public Verifiability and Data Integrity
Using Multiple TPAs in Cloud Data Storage”, IEEE 2nd International Conference on Big Data
Security on Cloud, IEEE International Conference on High Performance and Smart Computing,
4. Priyanka Ora, Dr. P. R. Pal, “Data Security and Integrity in Cloud Computing Based On RSA
Partial Homomorphic and MD5 Cryptography”, IEEE International Conference on Computer,
Communication and Control (IC4-2015), 2015.
5. Yuchuan Luo, Ming Xu, Shaojing Fu, Dongsheng Wang, Junquan Deng, “Efficient Integrity
Auditing for Shared Data in the Cloud with Secure User Revocation”, IEEE
algorithm (ECDSA)”, Proceedings of the Global Summit on Computer Information Technology
(GSCIT’14), Sousse, Tunisia, IEEE, pp. 1–6, 2014.
8. Y. Deswarte, J.-J. Quisquater, and A. Sadane, “Remote integrity checking”, Proceedings of
the Sixth Working Conference on Integrity and Internal Control in Information Systems,
9. C. Yao, L. Xu, X. Huang, and J. K. Liu, “A secure remote data integrity checking cloud
storage system from threshold encryption”, Journal of Ambient Intelligence and Humanized
coding-based distributed storage systems”, Proceedings of ACM Workshop Cloud Computing
Security (CCSW’10), 2010.
11. G. Ateniese, R. Burns, R. Curtmola, J. Herring, L. Kissner, Z. Peterson, and D. Song,
598–610.
13. B. Wang, B. Li, H. Li, “Public auditing for shared data with efficient user revocation in the

Index Terms
Computer Science           Distributed Systems
Keywords

Cloud security, Data Integrity, Third party auditor, Data security, Encryption