

Volume 2, Issue 7, May 2022

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Secure File Storage Using Hybrid Cryptography

Rajan Deshmukh, Gaurav Dubey, Amey More, Raj Reghu, Vaishali Rai

Professor and HOD of ETRX

Rizvi College of Engineering Pali Hill, Bandra (West), Mumbai

Abstract: Cloud is used in various fields like industry, military, college, etc. for various services and storage of huge amount of data. Data stored in this cloud can be accessed or retrieved on the users request without direct access to the server computer. Nowadays the growing use of mobile devices and advancement in networking technology is leading us to secure file storage over the network. Cryptography is the most popular technology used for all types of data security. This discussed paper is a broad survey of the different approach which is used for securely storing files, and sharing it over the network. This proposed scheme will also ensure the whole model to have confidentiality, integrity, and availability mechanisms to be implemented in it.

Keywords: Cryptography, Confidentiality, Integrity, Availability, Storage, and Security.

REFERENCES

- Bhandari, A., Gupta, A., & Das, D. (2016). Secure algorithm for cloud computing and its applications.2016 6th International Conference - Cloud System and Big Data Engineering (Confluence), 188–192. https://doi.org/10.1109/confluence.2016.7508111
- [2] Maitri, P. V., & Verma, A. (2016). Secure file storage in cloud computing using a hybrid cryptography algorithm. 2016 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), 1635–1638. https://doi.org/10.1109/wispnet.2016.7566416
- [3] Shaikh, S., & Vora, D. (2016). Secure cloud auditing over encrypted data. 2016 International Conference on Communication and Electronics Systems (ICCES). doi:10.1109/cesys.2016.7889842
- [4] Gajendra, B. P., Singh, V. K., & Sujeet, M. (2016). Achieving cloud security using third party auditor, MD5, and identity-based encryption. 2016International Conference on Computing, Communication, and Automation (ICCCA), 1304–1309.
- [5] https://doi.org/10.1109/ccaa.2016.7813920
- [6] Taha, A. A., Elminaam, D. S. A., &Hosny, K. M. (2018). AN IMPROVED SECURITY SCHEMA FOR MOBILE CLOUD COMPUTING USING HYBRID CRYPTOGRAPHIC ALGORITHMS. Far East
- [7] Journal of Electronics and Communications, 18(4), 521–546. https://doi.org/10.17654/ec018040521
- [8] Kranthi Kumar K, Devi T,(2018). Secured Data Transmission in Cloud Using Hybrid Cryptography. International Journal of Pure and Applied Mathematics, 119(16), 3257-3262.
- [9] Shimbre, N., & Deshpande, P. (2015). Enhancing Distributed Data Storage Security for Cloud Computing Using TPA and AES Algorithm. 2015 International Conference on ComputingCommunication
- [10] Control and Automation. doi:10.1109/iccubea.2015.16
- [11] Ronak Karani , TejasChoudhari , Anindita Bhajan , Madhu Nashipudimath 2020). Secure File Storage Using Hybrid Cryptography.2020 INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, 6(9).
- [12] Shakeeba S. Khan, Prof.R.R. Tuteja, "Security in Cloud Computing using Cryptographic Algorithms", 2015