Abstract

Since a lot of data is dynamically updated and stored in today’s scenario, the previous methods used for checking static data integrity can no longer be applied to analyze the integrity of the stored dynamic data in the cloud. In the existing system, the authors had focused on key management in a built-in key exposure resilient system. In this paper, we have introduced the concept of de duplication strategy of data wherein the built-in key exposure resilient system will check the duplicacy of data and eliminate the redundant one using MD5 hashing. This will enforce space management in an efficient manner. Also, tile bitmap technique is used wherein the intrusions can be detected without any tampering of data to maintain its integrity.

References

2. K. Yang and X. Jia, “Data Storage Auditing Service in Cloud Computing: Challenges,
An Effective Approach for Key Exposure Resistance in Cloud using De Duplication and Tile Bitmap Method


Index Terms

Computer Science Information Sciences

Keywords

Cloud computing, Third Party Auditor, Key-exposure resistance, De-duplication, Reverse Circle Cipher, Tile Bitmap