

Cloud Data Storage with Data Dynamics and Safe Network Coding

E Ramkrishna¹ and Dr. Narender Kumar²

Research Scholar, Department of Computer Science and Engineering¹

Supervisor, Department of Computer Science and Engineering²

NILM University, Kaithal, Haryana, India

Abstract: *Cloud computing has made it possible for those who don't have a lot of storage space to communicate their data to computers in other regions. These services provide users with unrestricted access to their data for free. A client can verify the accuracy of the information they have provided to a third party by employing secure cloud storage technologies. We investigate whether or not dynamic data may be stored safely in the cloud using secure network coding techniques. In this research, we evaluate the efficacy of various secure network coding techniques for developing cloud-based dynamic data storage solutions. The SHA algorithm simplifies the process of removing dynamic data during decoding. The information from the pre-processor is parsed and encrypted using algorithms inspired by the Caesar Cipher. The technique includes uploading the encrypted data to the cloud.*

Keywords: cloud storage, dynamic data, network coding