

A Novel Privacy and Security Framework for the Cloud Network Services

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Abstract— This paper presents an overview of security and its issues in cloud computing. Nowadays cloud computing has tremendous usage in so many fields such as financial management, communications and collaboration, office productivity suits, accounting applications, customer relationship management, online storage management, human resource and employment. Owing to increase in use of these services by companies, several security issues have emerged and this challenges cloud computing architectures to secure, protect and process user's data. These services have certain cons like security, lock-in, lack of control, and reliability. Privacy and security are the major concerns in cloud computing services. In this paper, we have designed a novel secure framework for cloud services, as well as presented a critical analysis of CCMP (Counter with Cipher Block Message Authentication Code Protocol) protocol for secure data management of cloud services.

Keyword— Cloud Computing, Networks Security, CCMP, Cloud Services



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