Abstract

Cloud computing is one of the most fascinating technologies which attract the users to outsource their data from local to remote cloud servers using Internet. A large number of cryptographic schemes are available to encrypt the sensitive information and to protect data. Even though it protects the data but it limits the functionality of the cloud storage. This paper focuses on investigation of cloud data security and its issues. Cloud Computing is one of the most influential technology in the IT industry in recent years. In Cloud, the computing infrastructures (Hardware and Software) are provided as services over the internet in pay-as-you-use basis. The outsourced sensitive data an cloud servers are not within the same domain. For securing these sensitive user data in cloud server, at present many cryptographic solutions are available. However, these solutions have computation overhead, key distribution and data management for providing security and scalability in data access control of cloud computing. This paper presents the analysis on various cloud data security issues available.
An Investigation on the Issues in Cloud Data Security


- Cong Wang; Kui Ren; Wenjing Lou; Jin Li; "Toward publicly auditable secure cloud data storage services"; IEEE Network, Volume: 24, Issue: 4, Page(s): 19 – 24, 2010.
Index Terms

Computer Science
Security

Keywords
Cloud Computing  Outsourcing data  Encryption