Abstract

Cloud computing is an emerging technology that provide people a way to share large amount of hardware and software resources that belong to different organizations. Maintaining privacy and security in cloud environment is more complicated. Mitigating threats in a distributed computing environment is a difficult task as it requires constant vigilance and defense-in-depth. Most systems lack a secure model that guarantees an end-to-end security and confidentiality. Adopting a cloud computing paradigm may have positive as well as negative effects on authenticating a user and exchanging the data. This paper presents an extensive survey of various Password Authenticated Key Exchange (PAKE) protocols available in the literature to eliminate the drawbacks in the current authentication procedure of cloud computing environment.
Solution to Security and Secrecy in Cloud Environment using PAKE Protocol - A Bibliographic Survey

- Yanjiang Yang, Robert H. Deng and Feng Bao, A practical password-based two server authentication and key exchange system”, IEEE Transaction on Dependable and

Index Terms

Computer Science  Security

Keywords

Authentication  cloud computing  PAKE protocol  two server models