Enterprise Cloud Storage and Computation Security

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Abstract

Cloud computing acts as a computing paradigm that aims to provide huge amount of computing in a fully virtualized manner by aggregating resources and thus offering a single system view. Cloud Computing is also delivered as utility assuring customized and quality of service guaranteed computation environments for cloud users. While an enterprise organization is composed of different departments like finance, admin etc these departments are segregated as sub network zone which are thus interconnected via network. Securities are essential for authorization of storage and computing. In this paper we have proposed a privacy cheating discouragement and computation auditing approach that bridging secure storage and computation auditing in cloud. Privacy cheating discouragement is designated by verifier signature, batch verification and probabilistic sampling techniques.

References

1. Y. Bartal, A. Mayer, K. Nissim, and A. Wool, Firmato: a novel firewall management


Index Terms

Computer Science  Security

Keywords

Secure computation auditing; Secure storage; Privacy-cheating discouragement; Designated verifier signature; Batch verification; Cloud computing.