Abstract

Cloud Computing is a point of attraction and got a lot of attention because of the numerous abilities it offers. On the other hand spatial-data is vital and considered to be a global important aspect. The security challenges it poses online is significant. The cloud computing security solution is used to avoid all the risks or the potential vulnerabilities being introduced by the computer industry. Solution is moving data to the cloud, while it is imperative for cloud service providers guarantying the security of geo-spatial-data information, providing cloud service users the terms and conditions of services provided by the cloud service providers and trusting them with their data. Although many different security solutions are provided to secure the data within the enterprise, the cloud solution is becoming vital for many other reasons too. The paper proposes a conceptual spatial data based on cloud infrastructure and applied security methods framework, which is capable of achieving user authentication and authorization.


**Index Terms**  
Computer Science  
Information Sciences

**Keywords**  
Spatial database, security, Cloud, Computing