Abstract

Cloud computing frameworks such as, Google App Engine, Amazon Web Services, Windows Azure, and open source frameworks such as OpenStack have become increasingly popular among practitioners. Also, the growth in usage and deployment of smartphone platforms and applications worldwide is increasing rapidly. Mobile cloud computing promotes use of cloud based services in a mobile environment. Data and complex computing modules are processed in clouds and mobile devices do not need a powerful configuration such as CPU speed, and memory capacity. Mobile devices are unable to utilize resources, communication delay, and unexpected mobile vulnerabilities or attacks. These challenges have great effect in the improvement of service qualities of mobile cloud. In this paper, the survey of different vulnerability and attacks on mobile cloud computing identified and also design a secure mobile cloud storage environment through encryption algorithm. The proposed work focuses on solution for the threats that are the major issues for MCC adoption.
1. More smartphones were shipped in Q1 2013 than feature phones, an industry first according to IDC, http://www.idc.com/getdoc.jspcontainerId$=prUS24085413.


Index Terms

Computer Science    Security

Keywords

Mobile computing, static partitioning, dynamic partitioning, first factor authentication, M-pin, and TPA.