Abstract

In the last two decades lot of research and development occurs on Location-Based Authentication and Security Services (LBASSs) which allow users to see where their friends are, to search location-tagged content within their local area networks, and to meet others nearby. Previously the data can be accessed from anywhere and any time. Hence lot of unexpected misjudgment were happened due to location independent authentication protocols. The recent availability of open mobile platforms, such as Apple iPhones and any Android phones, makes LBASSs much more accessible to mobile users. After rigorous research funding into this area leads to regulate the access that resources preserved in particular locations. Therefore we improve the development of security from location.

We have been study how users share their location in real world, we collected traces from a commercial LBS services operated by a startup company. In this paper, surveyed all algorithm schemes since two decades and bring out detailed analysis over geo encryption, location authentication, location privacy, enhanced location security, User authentication mobility
parameters, tolerant distances under smart living applications. To the best of our knowledge, this study fills the gap between old technologies and new technologies and presents fine tuning quantitative analysis of a real-world LBS services. In this paper authors investigate the various key issues and their methodologies for location authentication in WLAN and mobile devices. This paper leaves several ideas for researchers to mitigate issues in location privacy and authentication areas for better future.

References

15. E. Gabber and A. Wool. How to prove where you are: Tracking the location of customer


**Index Terms**

Computer Science

Wireless

**Keywords**

Data encryption, GPS, location-based Security, Authentication.