Abstract

Many web accounts are getting hacked everyday even though the public web servers like Gmail, Yahoo and Hotmail utilizes the well-known security techniques. However, attacks
usually happen due to personal faults such as users do use a password or PIN that can be easily determined or bypassed, such as 1234 or 0000, birth date, name, mobile number. Traditional authentication system involves the use of a secret key or password of which user must memorize and recall during authentication, however due to user’s careless, password can be forgotten or read by someone or simply intercepted during communication. Many approaches have been proposed for proper strategies of securing and using passwords. However, this can only reduce the problem of a static password authentication to some certain degree as it still has a lot of shortcomings. So we are proposing Multi-factor authentication to be an improved authentication scheme to overcome personal faults. It increases security by generating a secret hash code using a pre-shared number and user’s current GPS location.

References


Index Terms

Computer Science
Information Sciences
Keywords