THE TWIN CHALLENGES OF SECURITY AND PRIVACY
BALANCING THE REQUIREMENTS

Today computers are changing constantly. With high end applications moving towards the cloud, mobile devices which are now actually computers have completely changed the way we interact with our machines and the way we connect to networks. Real-time information is now the need of the hour that has become increasingly important and at the same time the threats are changing too. It has now formed a season of threats. Information system security and privacy, once have been very narrow but now have become critically important to society at large. Information systems evolving into distributed systems have become major challenges as they are pre-identified as these unable to participants as they change regularly. The devices installed must discover the services and information of interest from the infrastructure and other devices in the vicinity, negotiate for access, control information exchange, and monitor for suspicious events to be reported to the community. Defending against such threats may require an investment in security. At the same time education i.e. real time education on using websites, social networking at a secured level is a must as these hackers mainly gather information online through this medium. Cyber crimes and E fraud has take a massive hike over the years be it fraud on the internet that includes phishing i.e. hacking of IDs, stealing passwords making fake accounts etc. Frauds and crimes are happening in banks through Embedded hardware i.e. stealing account information and money this has also recently developed into ATM frauds wherein while people use the ATMs to withdraw money their information get recorded and thus leads to stealing of money. Server security threats, Trojans, the most harmful software virus in terms of E-commerce security which mainly includes online banking transactions, online shopping frauds. Social Engineering i.e. hacking and manipulating computer systems in order to gain access and information. Rogue certificates are used by websites in order to assure customers that their websites are safe. Here are a few steps that we can take in order to protect ourselves from cyber crimes first being very secretive about our passwords and changing them often. Secondly ignore any pop ups, emails, spam mails on internet upgrades. Always keep your system updated with an antivirus. If you detect any suspicious activities on your account do report to the websites immediately so that it can be taken care of before its too late. Thus being alert is very important especially children who are fascinated and attracted towards computers and internet. Awareness for the safe use of internet is the need of the hour. Internet Society like Organizations should educate people for the safe use of internet.
“Use internet for good as it is a place to connect share and a platform to do good.”
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