HIGH SECURITY TO MAILS BY USING THUMB

L. Bhavya [1], P. Prathyusha [2]

[1] Adhoc Lecturer, Department of Computer Science & Engineering, JNTUACEP, Pulivendula, Kadapa(dist), Andhra Pradesh, India, bhavyalevadala@gmail.com.

[2] Adhoc Lecturer, Department of Computer Science & Engineering, JNTUACEP, Pulivendula, Kadapa(dist), Andhra Pradesh, India, prathyusha.cse592@gmail.com.

Abstract - Hacking is the frequently used technique in today's world. Hackers can get our information by accessing our system and social network sites through some spoofing and etc..,. They can develop fake login pages also, with this our login details can easily get accessed by hackers. For this problem one solution is instead of password users can use thumb.

Keywords: Hackers, Spoofing, thumb, social network.

1 Introduction

Cyberspace as a freelance theatre of war is concerning attacks that compromise the potential to use these facilities: they can't be prevented by the protection services in isolation. The defence of computer network essentially involves the formation of effective partnerships between the general public organizations charged with making certain protection of computer networks and people UN agency manage the employment of this area by myriad users like government departments, banks, infrastructures, producing and repair enterprises and individual users.

The defence of cyber space contains a special feature. The national territory or space that's being defended by the land, ocean and air forces is well outlined. Space and Net square measures are totally different. They're inherently international even from the viewpoint of national interest. This report argues that Government and therefore the personal sector offer cyber security some priority in their security and risk management plans, and perform this in common. Being a report that's self-addressed to the safety community within the widest sense and meant to stimulate discussion, it depends on publically offered data.

1.1 Cyber space

Cyberspace is such a term, that isn't however fully outlined and conjointly has no geographical limitation. It's a term related to application of the Internet worldwide. it's conjointly referred to as a virtual space as physical existence of cyberspace isn't detectable in the slightest degree.

Cyberspace is "the total interconnectedness of human beings through computers and telecommunication without regard to physical geography". Information through computers is transferred within the type of Ones (1) and Zeros (0), that don't inherently carry any separate info along side them for authentication.
For authentication purposes, further information must be carried with cyberspace transactions for identity purposes. Providing additional data in digital communication introduces the likelihood for fraud. as a result of nothing prevents the transmission of false identity data, or the duplication of another's identity data.

The seriousness of this drawback is highlighted once you take into account that future technologies can permit extraordinarilynecessary identifiers, like a retinal scan or a fingerprint, to be drawn digitally. These biometry characteristics square measure protected in real area as a result of they're embedded within the body of the person. This is often lost in computer network. Thus, computer network wants a system that enables people to verify their identities to others while not revealing to them the digital illustration of their identities.

2 Cyber security in India

Different hacker's are hacking on different sites with different methods.

<u>Dark Net sites</u>

Twenty percent of the Dark internet was taken offline last week, once a hacker compromised a server hosting some 10,000 websites on the Tor network. Tor, designed to cover the identities of its users, is wide used on the Dark internet, which is not indexed by thought search engines and is a hub for illicit on-line activities. Guests to the affected pages were greeted with the message, "Hello, Freedom Hosting II, you have been hacked." Freedom Hosting II is that the server that hosted the Tor pages.

<u>Ransomware</u>

A type of malicious computer code designed to dam access to a system till a total of cash is paid.

One example could be a ransomware attack darkened the video closed-circuit television of the District of Columbia's local department eight days before the presidential inauguration of Donald J. Trump. Video storage devices for 70% of the CCTV system reportedly were unable to record something between January. 12 and Jan. 15, as police techies disorganized to combat malicious computer code found on 123 of 187 networked video recorders.

<u>A small security story</u>

There's a folk-story that every one Japanese college kids study associate degree previous man WHO lives in an exceedingly village by the ocean. One day, associate degree earthquake hits. He is the sole person within the village to comprehend that a tsunami can presently follow. He hurries to the near side wherever the rice for the village is mature and sets the whole harvest aflame. All of the villagers race to the side to alter the inferno -- their rice is their most precious resource.

The most important things should be remembered from the above story
      Understanding Communication
      Drastic Action
      The Right Data

<u>Spoofing</u>

Email spoofing is that the forgery of associate email header in order that the message seems to possess originated from somebody or somewhere aside from the particular supply. Email spoofing could be a maneuver utilized in phishing associated spam campaigns as a result of folks are additional probably to open an email after they assume it's been sent by a legitimate supply. The goal of email spoofing is to urge recipients to open, and presumably even answer, a solicitation.

Phone spoofing" relates to the quantity that shows up on caller id. It's accustomed trick folks into studying calls they otherwise wouldn't (and get around the National don't decision Registry). For a shady caller from outside the world – and sometimes the country – a neighborhood range is a smaller amount probably to lift suspicion.

Social Networks

However, like any new tool or application, it's continually vital to stay an in depth watch on its security implications. Every of those tools come with its own set of security considerations which might place your data. Solutions to assist defend you, your personal data and your company information. Of the 3 social networking sites mentioned, Facebook is   usually thought of the   foremost casual; Twitter   and LinkedIn square   measure generally used   for skilled functions. LinkedIn permits you to feature Connections, Twitter creates Followers and Facebook has Friends.

Hiding Terrorist messages in images

The steganography tools (S-Tools) package is another program that permits audio and image files to be hidden among alternative audio and image files. The bottom file needs to be either a WAV audio file or BMP/GIF image file. Alternative audio and image file sorts may be hidden among the bottom image. This package may be a drag and drop kind program, which means a file manager kind program can got to be open at the side of the S-Tools package. With each programs open, highlight a suitable file and drag it onto the S Tool program.

3 HIGH SECURITY FOR MAIL'S BY USING THUMB

As shown above we have different types of hackings in today's world. When we open different types of tabs (e.g. Gmail, face book and net banking etc.) when we are switching from one tab to another tab then hacker can create a dummy or duplicate page. If we enter our details like username and password they can hack those details. From this the security issue will get arise and our details can be accessed.

For this drawback and to improve some high security we can use thumb instead of password.

In now-a-days in each and every system for security all are using thumb. This process can be done for mails also. Instead of password we are using the thumbs. In case if any emergency and the person are not available then we can use the password through OTP generator. The password is mix up with high security code and user password (e.g. user password is 4 digits and high security code is 4 digits, combination of both will be entered as password).

4 Conclusion

It was a very important point to remember in our daily life is security. All are trying to improve security but hackers are creating more powerful software to break the security. But when users are using internet they must be careful and the awareness must be created for all users. In this paper we are tried to increase some security in login pages. Because in login page password is one of the security issue for us, if anybody knows the password the can easily access our details.

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