Cyber Security
Think before you click

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We all know that digital data creation has been increasing rapidly along with our reliance on advanced technology and the data can be transmitted by just clicking a button, but do we think how securely and safely this data is being transmitted?

Introduction

Cybersecurity can be defined as a process of securing computer systems, programs, networks and any other form of digital data from cyberattacks. It is also known as IT (information technology) security or computer security.

The U.S. The Department of Justice says "cybercrime is any illegal activity that uses a computer for the storage of evidence".

Types of cybersecurity

1. Antivirus or Anti-malware solutions

These solutions can scan for threats in the computer system based on their behaviour.

2. Network Security

Network security prevents threats from spreading or entering the network and helps in controlling network traffic.

3. Cloud Security

Cloud security helps in protecting the data used in cloud-based services and applications.

4. Intrusion Prevention Systems (IPS) or Intrusion Detection Systems (IDS)

These systems allow us to identify the cyber activity.

5. Data Loss Prevention (DLP)

DLP protects data by focusing on the classifying, locating and monitoring of data.

6. Identity and Access Management (IAM)

IAM protects internal systems from hostile entities by limiting employee access and tracking them with the help of authentication services.

Why Is Cybersecurity Important?

Today, both governments and businesses store most of the information on computers and transmit it to other computers through various networks. So, protecting the data from cyber-attacks is very important as a data breach can have destructive and devastating consequences like financial impact and data loss.

Cloud storage services like Google Drive, IDrive and Dropbox are now used to store sensitive data like credit and debit card information, bank account details, social security numbers, and many more. Posting personal information to the public on social networking sites could also result in identity theft.

Cybercrimes are increasing everyday as we are not able to secure our private information. As of now, more than 60% of the transactions are carried out online, and this field requires security of high quality for securing them. Thus, cybersecurity has become a present-day issue. Cybersecurity can help us with securing the data in the IT industry and also to other fields like cyberspace, etc.

Cybercrime

Cybercrime means a criminal activity which is committed by using a computer, network or the internet. Cybercrimes also include dissemination of computer viruses and network intrusions, as well as stealing a person's identity, stalking and terrorism, which have become a significant problem. The 1834 Hack was the first cybercrime in history where two thieves committed data theft by invading the French telegraph system and accessing financial markets. Cybercrime is increasing at a geometric rate and may also result in direct financial loss, SLA breaches, regulatory penalties and job loss. According to the recent estimations by the experts, cybercrime damages may reach up to 6 trillion dollars by 2021.

Few Cybersecurity Tips:

1. Look out for Phishing Scams.

2. Use Two-Factor Authentication.

3. Clicking without thinking is reckless.

4. Keep track of your Digital Footprint.

5. Keep up with updates.

6. Connect Securely.

7. Secure your mobile device.

8. Beware of Social Engineering.

9. Back-Up your data.

These tips may help in preventing a mishap and secure our digital data from cyberattacks.

Conclusion

Cybersecurity is becoming more critical because technology is a part of almost every aspect of our daily life, and everything is interconnected as the majority of transactions are carried out by using these networks. Cybercrime and the security of data continue to diverge in different paths.

The latest cyber threats, along with the advanced and disruptive technologies, are not only challenging organizations to secure their data infrastructure but also to use new intelligence and platforms to do so. We must try to reduce cybercrimes and ensure that our digital data is secure.

Sai Priya is a Final year student. Pursuing Bcom International Business from St.Francis Degree College for Women (Hyderabad). She is having great leadership, communication and multitasking skills. She believes in giving her best. She has great interest in reading and knowing about new and trending technologies. She recently learned about Coding, Data science, AI, Machine Learning. She looks up to her parents as a source of inspiration. She strongly believes in "Work to become not to acquire.
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Annexure I

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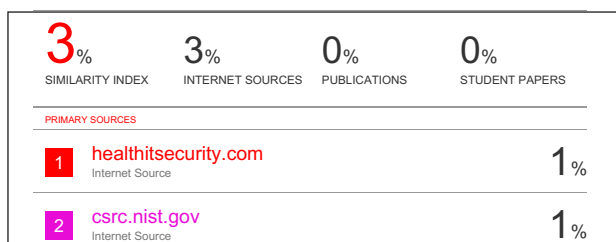
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View Point

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Reviewers Comment

Reviewer's Comment 1: The author started explaining about cyber security and defined it and described the types of it and gave the outline on cyber security. Author must have described the points on how the individual should be aware of cyber security.

Reviewer's Comment 2: The article has given the information on how cyber security is important and usage of it and moves on the few tips of cyber security how it helps in preventing a mishap. This paper has been more enlightening if it has been related to the present situation on how this threat is happening.

Reviewer's Comment 3: The paper must have specified the new technology towards cyber security and cybercrimes. The author concluded the topic by informative information on cyber security. The article is written in simple language and every reader can easily understand and gain knowledge of it.

Editorial Excerpt

The article has 3% plagiarism which is an acceptable percentage for publication. The comments related to this manuscript are noticeable related to the theme of cybersecurity. Sharing any form of data is easy, but is it getting transferred securely is the real question. Cybercrime and also a few cybersecurity tips. The main motive of this article is to spread awareness about the increasing cyber crimes and how everyone must be cybersecure. After the editorial remarks the article has been earmarked and finalized under the "**View Point**" category.

Acknowledgement

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