Do you think Cybersecurity is a new concept? Think again…

– **Divyansh Bhatia**

Bachelor of Technology (B.Tech), Cyber Security, VIT Bhopal University

✉ divyansh.bhatia2018@vitbhopal.ac.in

Introduction

Without a cyber-attack, the concept of cybersecurity cannot exist. So, when do you think the first cyber-attack took place? Go ahead, Google it. You will come across Morris Worm, as the first malware, worm or denial-of-service attack. Morris Worm, in 1988, was a potentially harmless piece of software that was meant to replicate itself. It ended in a catastrophe, shutting down approximately 60,000 PCs.

But was this the first cyber-attack? This article would not exist if that were the case. The first cyber-attack took place even before the first computer had a chance to see the light of the day. So, let's rewind the clocks by approximately two hundred years.

The year is 1834. Two bankers going by the name of the Blanc Brothers worked on the Bordeaux Stock Exchange in Paris. They hired a colleague to keep an eye on the stocks and pass down the information to a telegraph operator in Tours.

Since 1794, France had the Semaphore Telegraph, its national telecommunications network. It was composed of chains and towers with rotating arms. These arms were oriented in different positions to signal different characters. These symbols were seen by the nearby towers that would forward these signals. These signals included a backspace symbol to indicate transmission errors. The symbol instructed the decoder at the end of the line to ignore the previous symbol.

The telegraph operator used different symbols to indicate the status of the stock exchange on the previous day. The extra symbol was followed by a backspace. This meant that when the message was decoded the spurious symbol was ignored.

An accomplice who lived near the last tower reported these characters to the Blanc Brothers. This system allowed them to know the trends of the stock exchange days in advance, giving them an unfair advantage over their competitors.

They were caught after 2 years but were set free due to the absence of any law defining the injection of secret messages in the national telecommunications network.

This act in today's terms would classify as using steganography to commit fraud. This was also an advanced persistent threat that stayed in their network for 2 years.

An attack like this today wouldn't be so significant. But because it happened so many years ago, it has a great significance in the history of network security. This event should be aptly named as the world's first cyber-attack.

Article by Divyansh Bhatia

You can read more at
bit.ly/anonymousmailroot

Divyansh Bhatia has a account Bachelor of Technology - BTech at Vellore Institute of Technology Indore, Madhya Pradesh A content writer dedicated to cyber-security and related fields.

✉ divyansh.bhatia2018@vitbhopal.ac.in

Annexure I

Submission Date	Submission Id	Word Count	Character Count
05-Dec-2019	D62940463 (urkund)	778	5048

Urkund Analysis Result

Analysed Document:	Do you think Cybersecurity is a new concept.docx (D62940463)
Submitted:	5/12/2019 2:35:00 PM
Submitted By:	scholastic.seed@gmail.com
Significance:	94 %

Sources included in the report:

https://medium.com/@mail.anonymous.root/you-think-cybersecurity-is-a-new-concept-think-again-726862a05a7a

Instances where selected sources appear: 2

Note: Cybernomics runs an Urkund plagiarism tool for the originality check of an article before publication.
Urkund is developed by Prio Infocenter AB based in Stockholm, Sweden.

Reviewers Comment

Reviewer Comment 1: The Organizations should reflect a natively combined, automated security stage exactly designed to provide reliable, prevention-based protection.

Reviewer Comment 2: In my opinion; Cyber security states to a set of methods used to defend the reliability of an organization's, group's security architecture and protection its data in contradiction of attack, damage or illegal access .

Reviewer Comment 3: So as to be restored secure, it's important to know the different types of cyber security. These comprise dangerous infrastructure security, network security, application security, information security, cloud safety.

Editorial Excerpt

This article has 94% plagiarism which is accepted after taking disclaimer from author as this paper is already been publish in other portal; the finding related to "**Do you think Cybersecurity is a new concept? Think again**" The author has examine on Cyber-security is the practice of protecting computers, servers, mobile phone, electric systems, network, and data from malicious attacks.These attackers vary in target, motive, levels of group, and technical abilities, requiring public and private organizations to adopt ever-increasing measures to prevent cyber-attacks. The term applies in a variety of contexts, from corporate to mobile figuring, and can be divided into a few common categories. Hence it is decided to take this article under "**Column CLM**" Category.

Acknowledgement

Author is highly indebted to Scholastic Seed Inc& editorial team of Cybernomics, For making the write-up in the shape of an article.

Disclaimer

The following article is an excerpt from my past published research floated in from a previous published blog and is necessary to quote as and when required.

Scholastic Seed Inc.
www.scholasticseed.in