COMPUTER SECURITY : AN UNAVOIDABLE UTMOST AND URGENT NECESSITY

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Abstract

Security has become a key issues in today's world of technology. Data is the basis for computer security research. In this report we present a novel classification method of computer security data. This report is offered a detailed overview of the privacy community about the securities related to the computing Network and Information. It mainly focuses on importance of staying up to date on global security crime trends, especially concerning the use of mobile and personal computing devices.

1 Introduction

People have been working on computer system security for at least 30 years. In the history of exploiting security date back to the days of telephony where 1970s telephony networks became the dominate mode of communication, connecting millions of users. In 1970's researcher Boob Thomas invented computer security and he created computer program called Creeper that could move across, ARPANET'S, living a breadcumb trail wherever it went. However, computer security software products in the second half of 1970's and established computer firms like IBM.
Early mainframe computers were used to store government records, personal information, and transactional processing. Here Avast, IBM security, CA Technology, Cisco, Cyber ark is the renowned work company in the world.
We are work on computer Security Survey. It entails an analysis of work force and critical assets, and evaluates its vulnerability to potential threats and risks. The survey results in a matrix that reveals the direct impact of these potential threats and risks on our most valuable assets and operations. It basically the protection of computer systems and information from harm, theft, and unauthorized use.

2 Literature review:

Here our survey has five types- One way to ascertain the similarities and differences among Computer Security is by asking what is being secured.

1. Information security: Securing information from unauthorized access, modification deletion Application Security is securing an application by building security features to prevent from Cyber.

2. Application Security: Securing an application by building security features to prevent from Cyber .

3. Network Security : Securing both the software and hardware technologies Cyber security is defined as protecting computer systems.

3 Limitation:

Up to now we have used the idea of computer security limitation:

1.Unsafe programming practices and Unsafe design choices, particularly at the application layer.

2. An e-mail package can automatically open and display a document or spreadsheet attached to an incoming message.

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3.It takes an expert to configure systems and networks so that their security flaws are not exposed.

4 Methodology:

4.1 Survey data collection- :

Till now we are collecting 300 data on this Computer security survey .Here questions can provide information about security issues that usually go unaddressed by an organization. Also Hacking has become an extremely widespread activity due to the vulnerability of the computer security across organizations. Conducting an effective questionnaire which includes appropriate computer security survey questions can help organizations identify areas where they can improve their cyber and computer security.

4.2 Data collection procedure:

We are mainly focused on five aspects of computer security which need to be addressed in a survey: antivirus software, antispyware software, Ideal Password Protection Advice, Regular Software Updates Firewall.

5 Details

We need latest version of windows updated.

1. Web Browser: Use largest web browser (like as Mozila firefox)because computer system security breches via the web browser can help organisation to understanding.

2.Windows update: Computer needs to standard configuration.

3. Anti Virus: Installed antivirus software so that viruses can be kept at bay.(By reasons of popularity people can use those anti virus software)

4. Update software : By gain about this question asking to the people here they updated software regularly is most.

5. Fairwall Hacking: Unauthorised entities can't access the computed hampering the security.

6 Workflows

Source ⟹ Data collection ⟹ Response ⟹ Analysis ⟹
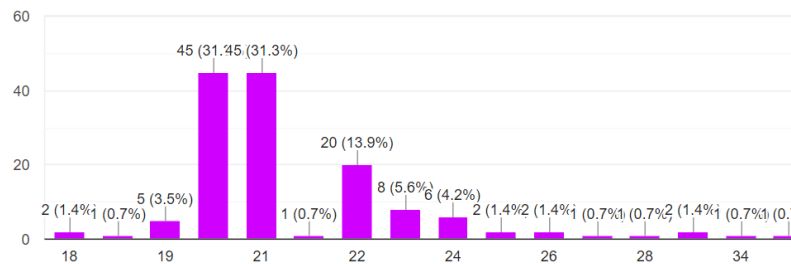Investigate ⟹ Research paper review ⟹ Report writing
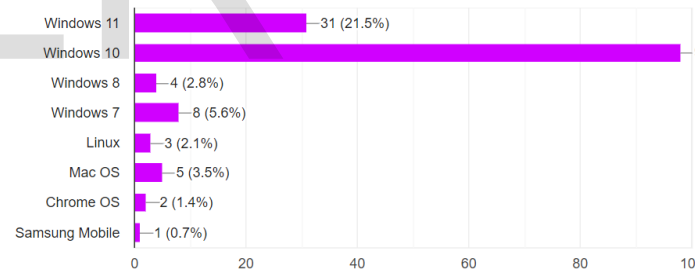
7 Description

The following graph shows how much users know about computer tools and security. This graph provides feedback from users on all aspects of computer operating system, web browser, firewall, anti virus software, etc.
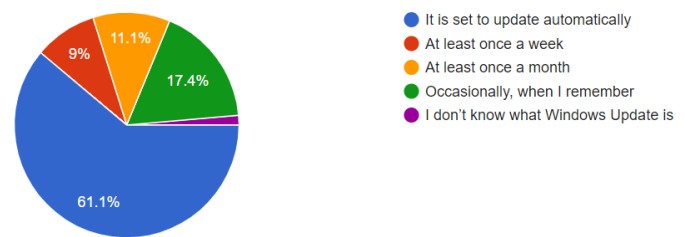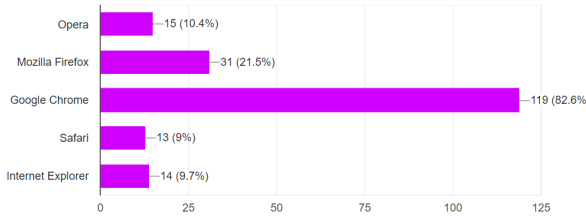
8 Graph plotting
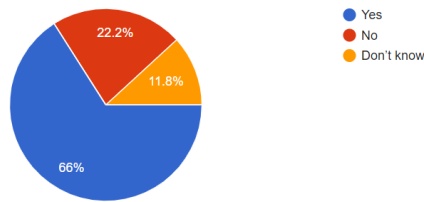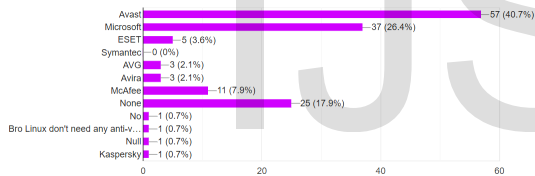
1.Age

2.operating system
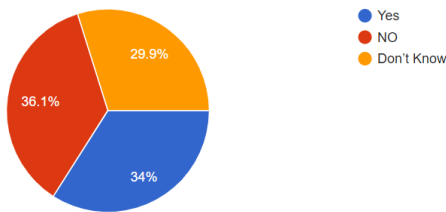

3.update Windows

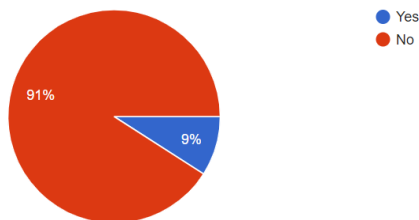4.web browser

5.anti-virus software installed

6.anti-virus software name


7.firewall

8.victim of computer hacking

9   Experiment Outcome

Here in this graph 45 percent of people who are 19-20 years old are responding. We know that Windows 10 is one of the most popular operating systems and the survey shows that 98 percent of people use Windows 10. Then the 2nd highest windows 11. If there is an option to automatically update and in this case most people respond to this option most. We can see that many people are not aware of how to update windows, which is 8 percent. As can be seen from the survey response where 82 percent use google and 31 percent use mozilla firefox and so on. Antivirus software is installed on many computers. The survey response shows that most people are aware that they have installed anti-virus software on their computer. We had another question about which anti-virus software they use and it turns out that 57 percent use Avast and 25 percent people don't use any kind of software. Now the question about firewall software uses we can say that every percentage is closely related. Finally we can say that our country is much more alert to the issue of computer hacking where 91 percent of people were not victims of hacking and only 9 percent of people were victims of computer hacking. So it's true that our country is moving forward in terms of technology.

10   Computer security conscious increases day by day
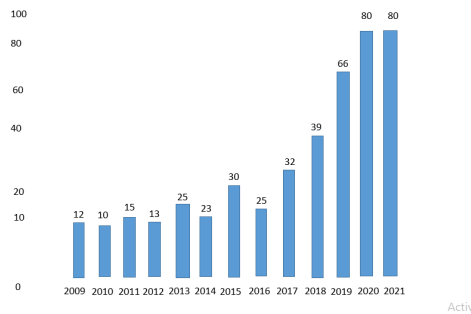
Here we can see that from 2009 to 2021 the conscious of computer security is increases day by day .So, in future it goes without saying that these percentage will increases more.

11   Conclusion

Computer security attempts to ensure the confidentiality, integrity, and availability of computing systems and their components. Three principal parts of a computing system are subject to attacks: hardware, software, and data. In turn, those people and

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systems interested in compromising a system can devise attacks that exploit the vulnerabilities. In this survey we have introduced the notions of threats and harm, vulnerabilities, attacks and attackers, and we hope to devise countermeasures to eliminate means, opportunity, and motive. These concepts are the basis we need to study, understand, and master computer security.

12   References

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