

Jose Gonzalez

11/9/2024

CYSE200T

Professor Hagh

The Human Factor in Cybersecurity

With a limited budget, I will prioritize most of the budget towards training rather than new cybersecurity technology. However, this does not mean that I am completely ignoring cybersecurity technology.

Dividing the limited budget towards training?

The main reason for this is that many cybersecurity breaches are due to human errors. As Cayley Wetzig said in their article “15 Alarming Cybersecurity Facts and Statistics” In fact, 95% of all data breaches occur as a result of human error. These errors range from clicking on dangerous links to falling for email scams” (Wetzig, 2022). This significant percentage, as said by the quote, comes from human error. By implementing cybersecurity training in the workplace, it can help mitigate these risks and save funds that would otherwise have been used on fixing issues. While training is important, it is just as important to have proper cybersecurity technology and systems to help where training cannot.

Why is it important to include cybersecurity technology?

While having a main focus of a budget is on training employees in cybersecurity policies, it is just as important to have safeguards like firewalls and two factor authentication present when needed

as threats to information continue to evolve. As said by EC-Council University on the blog post “Staying Ahead of the Curve: Emerging Cybersecurity Technologies,” “Cybercriminals are becoming more sophisticated in their tactics, and as a result, data breaches are becoming increasingly common...These malicious activities can cause significant financial losses, reputational damage, and even legal liability” (EC- Council University, 2023). By including new and updated cybersecurity technologies into the workplace, it can help to reduce financial losses and create a safe working environment.

Conclusion

By providing more funds and budgeting towards training employees in cybersecurity, it can help to reduce the possible cost and losses a company may face. However, companies must also include cybersecurity technology in their budgets as humans alone cannot detect nor solve every cyber threat that is presented. Including a mixture of both, where training is more predominant when compared to introducing new cybersecurity technologies, can help a company to be more secure and safer with the rampant change that technology will continue to go through.

Sources

University, E.-C. (2023, February 27). *Exploring the latest cybersecurity technologies and Trends*. Staying Ahead of the Curve: Emerging Cybersecurity Technologies.

<https://www.eccu.edu/blog/technology/the-latest-cybersecurity-technologies-and-trends/>

Wetzig, C. (2022, November 10). *15 alarming cybersecurity facts and Statistics*. ThriveDX.

<https://thrivedx.com/resources/article/cyber-security-facts-statistics?referrer=cybint>