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## **The Human Factor in Cybersecurity**

As a Chief Information Security Officer with a limited budget, it is crucial to balance the tradeoff between training and cybersecurity technology. We need to prioritize the different funds and only use what is crucial to help us prevent cyber threats. In an article by Harvard Business Review, cybersecurity funds can be up into three different categories: controls that defend against threats in a particularly impactful way, measures that validate that these controls are operating as intended, and capabilities that automate the other two (Isles, 2023). In this write up I will be focusing on the training part of this scenario.

### **Training in Cybersecurity**

It is true that both training and technology are important to cybersecurity, and you really shouldn't neglect either one of them but with my limited budget, I will be prioritizing training over technology for right now.

There certainly are many reasons that training is important, but the first reason is that training is more likely to be effective in preventing cyber-attacks, because it will educate people on what they need to do to identify and protect themselves. Having the employees educated they can identify what we would know as things like phishing email, virus, and spam email, things that will compromise the company for cyber-attacks. It will also help them protect themselves by putting in different anti-virus programs and firewalls.

The second reason I can think of it that the training can have a lower cost than some of the technology that is needed. With the lower cost and the limited budget, we can pick what different technologies we want in our company that maybe wasn't as taught in the training programs. Another reason is that the trainings are more flexible than some of the technologies by it being customizable to the needs of the organization and if the training don't have a specific topic the organization can put in some technology to fix the problems.

### **Conclusion**

In conclusion, even though both training and technology is important to cybersecurity, with the limited budget the Chief Information Security Officer was given, training will be more important to the company at this time. It is important because of several reasons which are that it is more effective to the company by helping the employees educating themselves so they can protect themselves, it has a lower cost than most of the technologies the company will need, and that training is more flexible to the company than technology will ever be.

## References

Isles, A. (2023, May 23). Where to Focus Your Company's Limited Cybersecurity Budget. *Harvard Business Review*.