Michael Martin

12/18/2022

CS 405

SNHU

**Journal**

After taking this course I have implemented using secure code in my projects and referencing documents such as the SEI CERT C++ Coding Standard to ensure that I apply the standards correctly. This course did not introduce me to secure code; however, it did instill the importance of using coding standards.

With that said, I have never left security until the end. In fact, I tend to think about how to implement security methods before starting most projects and when implementing new systems in my personal life. One example I can provide to back up this claim is when it was time to replace my phone. I researched which device has the best hardware-based security and which has the best community support. I ended up landing on a Google Pixel 6 due to their Titan chip and the 3rd party OS called Graphene OS.

When looking into the risk of a security breach versus the cost of implementing security policies, it’s important to think about how important the data you’re protecting is. If that data is your primary source of income, then it likely would be worth the cost of implementation and mitigation. However, if the implementation would cost more than the profits of the company, it would be worth dialing it back and starting with software-based security.

One way to implement a solid software-based security policy is by using Zero Trust. Zero Trust essentially gives each user only the necessary amount of access needed to complete their job. No more and no less. It should be implemented from the start and should be a standard policy to follow.

Finally, it is always important to implement security policies, whether it be in your personal life, a startup, or a large enterprise company. These security policies will help prevent hacks, loss of data, and more. My recommendation to deciding what to implement is look at your environment, your data, and the budget, and see what’s most important to you. To give you an example, at home my data is backed up off site and in cold storage. All my devices and network traffic are encrypted, and ads and malicious sites are blocked via the router.