

Joshua Hunter

CYSE 200T

September 25, 2024

Write-Up

What is CIA Triad?

CIA Triad is a group of principles that are needed for Security information. The definition as it states in the text says “the CIA triad, is a model designed to guide policies for information security within an organization.”(Accessed 25 Sept. 2024.). CIA stands for Confidentiality, Integrity, and availability. All three of those principles have a different meaning.

Confidentiality

In the text it describes confidentiality as, “Data should be handled based on the organization's required privacy.” (Accessed 25 Sept. 2024.) . For example , a two way verification. Integrity helps maintain the privacy of the information. For example, somebody stole your bank information and was making unusual purchases. Integrity described in the text states “ Ensure employees are knowledgeable about compliance and regulatory requirements to minimize human error.”.

Integrity

Integrity would detect that and alert you to see if that's you or not. So if there was a breach in Confidentiality, then integrity would be the next step to solve the problem. In the text it defines availability as “Use preventive measures such as redundancy, failover and RAID. Ensure systems and applications stay updated.”.(Accessed 25 Sept. 2024.)

Availability

Availability allows the users to access the information they own. For example, you get your password wrong too many times, but you are the user of the account. The “Forgot password” would help you and access your account.

Conclusion

The CIA Triad is a basic level of security all cybersecurity experts should know. Confidentiality, Integrity and Availability all play an important role into why cyber experts should know it. These concepts are important to use within information security.

Work Cited

“What Is the CIA Triad_ Definition, Explanation, Examples - Techtarget.Pdf.” *Google Drive*,

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