

# Playbook Submission

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The parts of my cyber playbook that stand out the most to me are Data Security and System Security. Data Security matters because keeping private information safe is a big part of what cybersecurity is all about. On the other hand, System Security is just as important too because we need to be protecting the actual systems we use, making sure everything is updated and patched so that they don't get taken over or compromised by a threat. Lastly, throughout these eight weeks in CYB 220, I learned a lot about GNS3, which was one of the most useful tools for understanding how networks work in a hands-on way.

## Data Security



The *data security* knowledge area focuses on the security of data, demonstrating how data is protected and maintained as identified throughout the phases of the security triad: confidentiality, integrity, and availability. Data security also considers the roles, responsibilities, and accountability of organizational personnel. In addition to the physical and logical aspects of protecting data, who is held accountable for these protections being implemented and maintained. For the stewards of data, how is data best managed to prevent the loss of any phase of the security triad?

Note: Data security is the process of maintaining the CIA triad of any organization's data in a manner that is consistent with the organization's risk strategy. Before or when an incident happens, companies must have a security architecture and response plan in place. They must be able to detect the event and respond accordingly. The company must be able to recover effectively and efficiently.

<https://www.nccoe.nist.gov/data-security>

CYB 200 3-2  
Data Privacy

CYB 200 -  
2-3 Data...

## System Security



The *system security* knowledge area focuses on the security aspects of systems composed of components and connections, and the use of software. Understanding the security of a system requires viewing it as not only a set of components and connections but also a complete unit in and of itself. This requires a holistic view of the system. Together with the component security and connection security knowledge areas (KAs), the system security KA addresses the security issues related to connecting components and using them within larger systems.

Note: System security is critical in the cybersecurity world. It ensures the confidentiality and integrity of the Operating System (OS). System security is to keep all threats or malicious attacks or programs away from a computer's software system.