

## **Write Up: Cyber Roles & Responsibilities**

The role I chose to discuss is “Information Security Architect”. This role is responsible for placing the security requirements (physical infrastructure, software, employee training, etc) into the organization. From the NIST 800-12 reading, “this individual, group, or organization is responsible for ensuring that the information security requirements necessary to protect the organization’s core missions and business practices” (Nieles, M., Dempsey, K., & Pillitteri, V. Y., 2017). With this being the case, it is apparent that this is a critical role that should be led by a seasoned employee with a solid background in designing security policies and architecting networks.

The Information Security Architect role combines planning the security strategy as well as implementing it within the organization. They will be working closely with both network architects and security engineers, designing secure networks and implementing technical solutions. This role helps to make information security a part of the original business plan with preventative measures put in place instead of a reactionary role where an incident takes place and a cleanup of the attack must take place. More of the responsibilities include coordinating with system owners, common control providers, and system security officers. Working alongside these other roles, they help allocate security controls as either system-specific, hybrid, or common controls.

Information Security Architects are definitely part of the cybersecurity team in multiple ways. One reason is because they are responsible for bridging technology and policy. These are critical parts of the organization and designing security policies prevents attacks from occurring.

If an attack does occur, they are responsible for having a plan of action to help mitigate the threat and use any incidents to further strengthen the security of the organization. They are also responsible for making sure the organization complies with all regulatory laws. Overall, they are a crucial part of any modern organization and assists in making sure business can be carried out in a secure manner.

## References

Nieles, M., Dempsey, K., & Pillitteri, V. Y. (2017). An introduction to information security. *An Introduction to Information Security*, 1(1). <https://doi.org/10.6028/nist.sp.800-12r1>.