Summary

Collaborative discussion 2 is to Identify and discuss two security technologies. My initial post touched on user authentication and Intrusion Detection Systems or Intrusion Prevent Systems. Both technologies have their strength and weakness.

User Authentication Security

Authentication and authorization form a critical component of identity and access management and cybersecurity in general. OAuth 2.0 (Open Authorization) is one of the technologies for Authentication and Authorization. Pearce pointed out that it can be susceptible to brute force hacking. Brute force hacking is when there is an attack on a network via waiting for and learning specific request parameters. User authentication is key to secure information assets. While identity management is a simple concept, in theory, many factors need to work together for it to work well in practice (Yvonne, W. & Abhishek, H., 2019). As user accounts continue to become more complex to log in to multiple applications, the authentication, and authorization increase the trade-off between usability and security.

Intrusion Detection Systems or Intrusion Prevent Systems

Both take the form of software-based or appliance-based. Both systems can report intrusion or attempted intrusions to the network and decrease the impact of intrusions on the network. Intrusion Prevent Systems takes further actions to prevent intrusions. Given their power to take action over the network, the systems require extensive configuration and the capabilities of experts for the configuration (Whitman, M. & Mattord, H., 2016).

Conclusion

Security is a critical part of IT infrastructure. The Cybersecurity measures should be well designed and planned. The technologies requires to protect an organization's network can be broken down into different measures, technologies, and techniques that protect confidentiality, integrity, and accessibility. Technologies and measures often come with strengths and weaknesses. Therefore, the security exercise is a lifetime run.

Reference:

Yvonne, W. & Abhishek, H. 2019. *Solving Identity Management in Modern Applications*. 1st ed. New York: Apress.

Whiteman, H. & Mattord, H. 2016. *Management of information security.* 5th ed. Boston: Cengage Learning.