

## **Discussion: Summary Post**

The three units I delved into initially - 'History of Network Security, Vulnerabilities and Approaches', 'Advanced Persistent Threats: Applying the Cyber Kill Chain Model to a Case Study', and 'Vulnerability Assessments' - have significantly bolstered my understanding of cybersecurity and its potential weaknesses. This newfound knowledge has inspired me to continue exploring this field, not just as part of future assignments but also to expand my professional expertise.

During the 'Collaborative Discussion' about 'Digitalisation – What are the security implications of the digital economy?', I gained a deeper understanding of cybersecurity in the digital economy and discovered ways to overcome related challenges. I shared my perspective on the topic and interacted with my colleagues and tutor. In my initial post, I highlighted Siemens' (N.D.) proposal that a "fully digital enterprise" uses digital tools and technologies to improve efficiency, quality, and time.

In the discussion, my colleague Amrol Miah suggested cost-effective measures for small businesses to safeguard against cyberattacks, referencing NCSC (2019). Mario Butorac pointed out some cybersecurity challenges that fully digital enterprises may face (Wei et al. 2019). My tutor, Dr Nawaz Khan, mentioned how AI can expedite 'just-in-time' delivery and give businesses a competitive edge. I answered this question by citing Moore & Pratt (N.D), who state that digital transformation requires disrupting the status quo, embracing risk, and adapting to change, with agility crucial in uncertain times.

At the Solar Winds Breach Case Study seminar, I learned about the different stages of a cyber-attack and how to prevent or mitigate them. Creating a slide presentation

improved my self-confidence and helped me manage my time more effectively. The seminar was a great learning experience that improved my skills and knowledge.

In addition, I have started scanning activities alongside my coursework, which has helped me prepare for upcoming assignments and gain a deeper understanding of vulnerability audits. This activity has increased my knowledge and confidence, which I have documented on my [ePortfolio](#).

### References:

- Siemens (N.D.). *Digital Enterprise | Siemens*. [online] Available at: <https://www.plm.automation.siemens.com/global/en/our-story/glossary/digital-enterprise/25213>.
- NCSC (2019). *Small Business Guide: Cyber Security*. [online] Available at: <https://www.ncsc.gov.uk/collection/small-business-guide>.
- Wei, J., Sanborn & S., Slaughter, A. (2019). *Digital transformation and the utility of the future | Deloitte Insights*. [online] Available at: <https://www2.deloitte.com/us/en/insights/industry/power-and-utilities/digital-transformation-utility-of-the-future.html>.
- Moore, J. & Pratt, M. K. (N.D.). *What is Digital Transformation? Definition, Examples, Strategy*. [online] Available at: <https://www.techtarget.com/searchcio/definition/digital-transformation>.