Seminar 1 – Shell Global - Students Notes

Shell Global as the name implies is a global energy and petrochemical company. The company has presence in more than 70 countries and employs around 80000 people. On March 16th 2021 the following statement was published by Shell's Newsroom: "Shell has been impacted by a data security incident involving Accellion's File Transfer Appliance. Shell uses this appliance to securely transfer large data files" (Shell, 2021). Upon further investigation by Shell, it was confirmed that access to various files were gained by an unauthorised party.

Companies mitigate access and authorisation issues by implementing the following measures, amongst many others:

1. Creating strong password and passwords policies
2. Restricting access to systems to only users that require access
3. Enabling Multi-factor Authentication
4. Implementing Account Lockout policies
5. Creating mandatory cybersecurity training and awareness programs among employees.

Being a global company Shell requires the transfer of data across the globe in a secure manner. Strict measures need to be put in place to ensure that data is transferred securely. Cybersecurity approaches such as encrypting data at rest and in transit should be considered together with the implementation of Virtual Private Networks across Shell's global footprint. Like every other company Shell faces cybersecurity challenges with regard to Confidentiality, Integrity and Availability of Data as described by the CIA triangle model (Danso, 2021). Other challengers may include regulations such as the GDPR (General Data Protection Regulations) which motivates companies to renew and revise cybersecurity policies and processes (Department for Digital, Culture, Media & Sport, 2020).

The current role that interests the author at this point in time would be a Cybersecurity Architect. The author has various skills and experience in designing, creating and maintaining I.T networking solutions, this would be the most easiest role to transition into.

References

Danso, S. (2021) Launching into cyber security [Lecturecast]. LCYS_PCOM7E August 2021 Launching into Cyber Security. University of Essex Online.

Department for Digital, Culture, Media & Sport (2020) Cyber Security Breaches Survey 2020. Available from:
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/893399/Cyber_Security_Breaches_Survey_2020_Statistical_Release_180620.pdf [Accessed 19 August 2021].

Shell Newsroom, (2021). Shell Global. Available from: https://www.shell.com/energy-and-innovation/digitalisation/news-room/third-party-cyber-security-incident-impacts-shell.html [Accessed 19 August 2021]