Week 3 Workshop

Key knowledge/skills: Cyber Kill Chain & Cyber threats

Case study (as briefly discussed in the 2nd lecture) - "Company X and Company Y are competitors who both are bidding on a secret Government project. Staff A (attacker) from Company X learned from LinkedIn that Staff V (victim) is the lead architect in Company Y. A then crafted an email pretending from acquaintance of V with a malware attached. Note that A developed the malware by leveraging a recent Zero day vulnerability. V was lured to click on the malware in the email, which installed a backdoor, after successfully exploited the targeted vulnerability on Staff V's system. This gave A the remote control of Staff V's computer. After that, Staff A used a compromised server (C2 server) to issue commands to maintain the control of V's computer. One night, A started to upload key design documents from V's computer to a shared Cloud storage folder owned by Staff A."

Q1. Map the attack activities to Cyber Kill Chain (CKC)

Assignment Project Exam Help

Q2. Map the following technical controls to Cyber Kill Chain (CKC), e.g., 'Email Security: CKC3 Delivery'; and what other controls you can think of?

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- Gateway controls such as Web Proxy, Email Security, DNS
- Network controls such as IPS (Intrusion Prevention System)
- Endpoint control of las Avanti-Virus Lups (1950 Seed IPS)

Q3. Assuming you have access to all the logs / security alerts of the above controls during the event, what are the key information/attributes can help detect/stop the attack?