

Team Meeting

4/16/2024

Online

Meeting called by:	Aileen Ni	Type of meeting:	Online
Facilitator:	Jeremy Convocar	Note taker:	Thamarat Singcharoenchai
Timekeeper:	Thamarat Singcharoenchai		

Attendees: Jeremy Convocar, Aileen Ni, Thamarat Singcharoenchai

Please bring: Laptop

Minutes

Agenda item: Finalizing our presentation by working on the ways to prevent cybersecurity attacks and security breaches, as well as the software, like firewalls, encryption algorithms, and antivirus software, available today that can enhance security. Also, list out the pros and cons of using each software, and the limitations to each type of attacks.

Presenter: Jeremy Convocar

Discussion:

Using the resources related to cybersecurity and healthcare systems, we compromised a list of software solutions and physical prevention methods to mitigate cyber threats for the large hospital system. This included firewalls, encryption algorithms, antivirus software, employee awareness training, and other best practices. We evaluated the benefits, limitations, and financial implications of each security measure, considering factors such as computational overhead, key management, scalability, and compatibility with existing systems.

For the software-based solutions like firewalls and encryption algorithms, we compared various options and assessed their ability to handle the diverse traffic patterns and complex network infrastructure within a healthcare environment. We also discussed the importance of a multi-layered approach, combining technical controls with robust policies, procedures, and employee awareness training programs. Regular risk assessments, incident response planning, and continuous monitoring were emphasized to stay ahead of evolving cyber threats.

Conclusions:

The meeting was called to finalize the main details of our presentation, which is to prevent hackers from infiltrating the healthcare system, and in general, make going online more secure and safe. Our thorough discussion covered a range of cybersecurity measures, including software solutions like firewalls, encryption algorithms, and antivirus programs, as well as physical prevention methods such as employee training and awareness programs. By evaluating the pros, cons, and practical considerations of each approach, we aimed to provide a comprehensive set of recommendations tailored to the needs of a large hospital system. Our next and final meeting will be held before the presentation date to practice our delivery, ensuring a seamless and impactful presentation of our cybersecurity strategies.

Action items	Person responsible	Deadline
✓ Research about encryption algorithms, the different types and the benefits of each	Thamarat Singcharoenchai	
✓ Research about firewalls, and which is most practical to use in a large healthcare system	Jeremy Convocar	

Action items	Person responsible	Deadline
✓ Research about antivirus software and non-software-based ways to prevent cyber-attacks.	Aileen Ni	
✓ Review presentation and practice	All	Next meeting

Special Notes:

Meeting took approximately an hour to finalize the presentation