

Unit 2 Reading: Advanced Persistent Threats: Applying the Cyber Kill Chain Model to a Case Study

The reading this week focusses on modeling, penetration testing and the background to the concept of the advanced persistent threat (APT), as explained in the 'Cyber Kill Chain' evaluation proposed by Lockheed Martin in the Hutchins et al. (2011) paper.

Required Reading

Geib, J. et al (2022) Getting started with the Threat Modeling Tool (Azure).

NCSC (2022) Penetration Testing - Advice on how to get the most from penetration testing.

Meier, J. et al (2003) Improving Web Application Security: Threats and Countermeasures.

Additional Reading

Hutchins, E. et al (2011) Intelligence-driven computer network defense informed by analysis of adversary campaigns and intrusion kill chains.

SEI (2019) Multi-Method Modeling and Analysis of the Cybersecurity Vulnerability Management Ecosystem.

NCSC (2021) Cyber Essentials: Requirements for IT infrastructure.