

Blue Team Level 1 Certification  
(Standard)

## Introduction to BTL1

☒ Welcome to Blue Team Level 1

● 4 Topics

☒ Lab and Forum Access

## SECURITY FUNDAMENTALS DOMAIN

☒ Introduction to Security Fundamentals

● 1 Topic

☒ Soft Skills

● 7 Topics

☒ Security Controls

● 5 Topics 1 Quiz

☒ Networking 101

● 6 Topics 1 Quiz

☒ Management Principles

● 4 Topics 1 Quiz

## PHISHING ANALYSIS DOMAIN

☒ PA1) Introduction to Emails and Phishing

● 7 Topics 1 Quiz

☒ PA2) Types of Phishing Emails

● 10 Topics 2 Quizzes

☒ PA3) Tactics and Techniques Used

● 12 Topics 2 Quizzes

☒ PA4) Investigating a Phishing Email

● 8 Topics 2 Quizzes

☒ PA5) Analysing URLs, Attachments, and Artifacts

● 8 Topics 1 Quiz

☐ PA6) Taking Defensive Actions

● 12 Topics 1 Quiz

☐ PA7) Report Writing

● 7 Topics 1 Quiz

☐ PA8) Phishing Response Challenge

● 3 Topics 1 Quiz

## THREAT INTELLIGENCE DOMAIN

☐ TI1) Introduction to Threat Intelligence

● 7 Topics

☐ TI2) Threat Actors & APTs

● 6 Topics 2 Quizzes

☐ TI3) Operational Threat Intelligence

● 7 Topics 1 Quiz

☐ Section Introduction, Operational Intelligence☐ Precursors Explained☐ Indicators of Compromise Explained☐ MITRE ATT&CK Framework☒ Lockheed Martin Cyber Kill Chain☐ Attribution and its Limitations☐ Pyramid of Pain☒ Activity) End of Section Review, Operational Intelligence☐ TI4) Tactical Threat Intelligence

● 7 Topics 1 Quiz

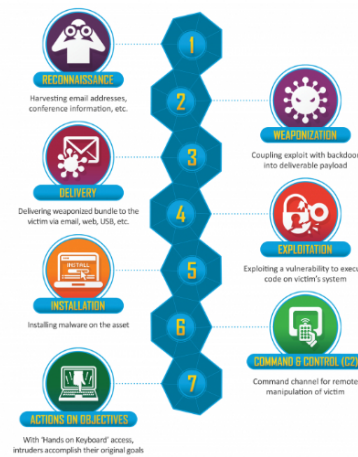
# Lockheed Martin Cyber Kill Chain

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IN PROGRESS



The Cyber Kill Chain (CKC) framework was developed by Lockheed Martin in 2011 and it is an Intelligence Driven Defense model for the identification and prevention of cyber-attacks, specifically ones that can be classified as Advanced Persistent Threats (APTs). The CKC can help IT security teams and professionals develop strategies, products, and plans to detect and contain attacks at different stages, resulting in a more secure IT environment. In recent years, it has become the de-facto standard to describe how attacks can happen on a network. The CKC is split into seven different stages, with all seven stages needing to be completed to have a successful attack.



## KILL CHAIN STAGES

### [1] Reconnaissance:

**Attackers:** Malicious actors will conduct research on the target organization typically using both active and passive reconnaissance methods such as domain record lookups, public IP range port and vulnerability scanning, scouting out employees on social media, and more.

**Defenders:** Activity conducted by the attackers at this stage will come in the format of precursors, such as IPs that are performing port or vulnerability scanning, employees being approached by individuals that they do not know, and employees potentially receiving connection/friend requests on social media.

### [2] Weaponization:

**Attackers:** Malicious actors create their own backdoor instead of purchasing commodity malware, and host this file on a domain they own. They then write a macro within a Microsoft Word document which connects to the attacker-owned domain and downloads the malware to the system where the file was opened.

**Defenders:** It is extremely hard for the security team to detect this stage, as it is not happening within their environment therefore they have no visibility of what happens outside the organization (with the exception of cyber threat intelligence). Typical defenses should be employed such as anti-virus, email security, and system hardening.



