



# 2025 CYBERSECURITY LANDSCAPE: TRENDING DOMAINS FOR ASPIRING PROFESSIONALS



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# CyberWarFare Labs

CW Labs is a renowned UK based Ed-tech company specializing in cybersecurity cyber range labs. We provide on-demand educational services and recognize the need for continuous adaptation to evolving threats and client requirements.

The company has two primary divisions :

1. **Cyber Range Labs**
2. **Infinity Learning Platform**



## INFINITE LEARNING EXPERIENCE

# About Speaker :

## Yash Bharadwaj

[Co-Founder & Technical Director at CW Labs UK Pvt. Ltd.](#)

With over **6.5 Years** of Experience as Technologist. Highly attentive towards finding, learning and discovering new TTP's used during offensive engagements.

His area of interest includes **designing, building & teaching** Red / Blue Team Lab Simulation.

Previously he has delivered hands-on red / blue / purple team trainings / talks / workshops at Nullcon, X33fCon, NorthSec, BSIDES Chapters, OWASP, CISO Platform, YASCON etc

You can reach out to him on Twitter **@flopyash**.

# 2024 Cyber Attacks

- **Mossad Pagers Supply Chain Compromise**
- **Backdoored docker images**
- Ivanti VPNs Attack
- Microsoft Midnight blizzard hack
- Data Compression Tools : XZ backdoor
- And many more....

# Mossad Pagers Attack : Case Study

1.

## Pager Order

Hezbollah group ordered close to 5000+ pagers from US Ally Taiwanese company Gold Apollo

2.

## Sub-contracting

Taiwanese company in return delegated contract to an European based firm

3.

## Interception

Israel intelligence (Mossad) intercepted the pagers in Europe & added explosive material PETN (Pentaerythritol Tetranitrate) inside it

4.

## Pagers manipulation

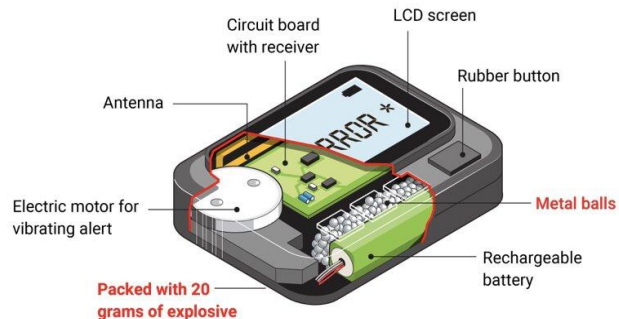
Acc. to sources, explosive PENT substance was introduced in the pager & was staged to react with a remote trigger

5.

## Supply & Distribution

The pagers were distributed to Hezbollah group & the explosion was timed to occur seconds after the message was distributed via custom radio frequency

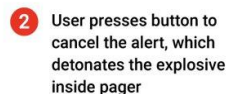
## How the pagers exploded



Pagers receive radio signals from a particular frequency network. Each device has a unique code. When the pager hears the code it receives a message

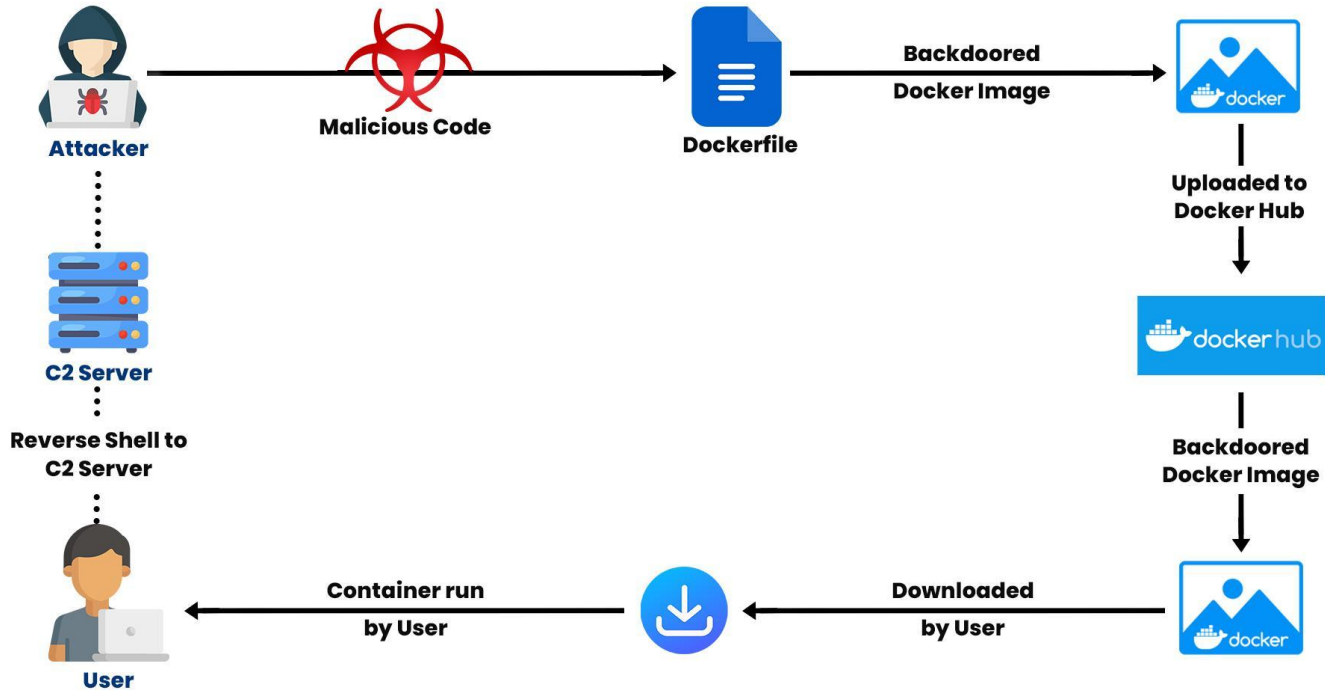


Graphic by The Times and Sunday Times



Metal balls around battery make the blast more deadly, causing severe injury and death

# Backdoor Docker Images



# Emerging Domains for Starters / Professionals

- Exploit Development
- Web / Network Security Engineer
- Cloud Penetration Testing
- Docker Container Penetration Testing
- Mobile Application Penetration Testing
- WiFi & Penetration Testing Infrastructure Developer

# Introducing CWL Cyber Security Engineer (CCSE) Certification

- Real-World Pentesting Scenarios across 14 domains
- Learn Penetration Testing by doing exercises / labs
- Premium study materials (400+ Pages PDF & 19.30 hrs HD Videos)
- Suited for beginners & intermediate level professionals / teams
- 50+ practice labs across 14 domains





# CWL Cyber Security Engineer (CCSE) Domains



**Scripting / Programming**



**Web Pentesting**



**Exploit Development**



**Mobile Pentesting**



**Open Source Intelligence (OSINT)**



**Network Exploitation**



**Cloud Pentesting**



**AD Pentesting**



**Phishing**



**Operating System Exploitation**




**Docker Penetration testing**



**Wifi Pentesting**

# CCSE Real World Labs via Labs Playground


  
**Cyber Security Playground**  
Explore, Experiment and Learn with  
CyberWarFare Labs

Email


Password

**SIGN IN**

OR SIGN IN WITH

 Sign in with Google

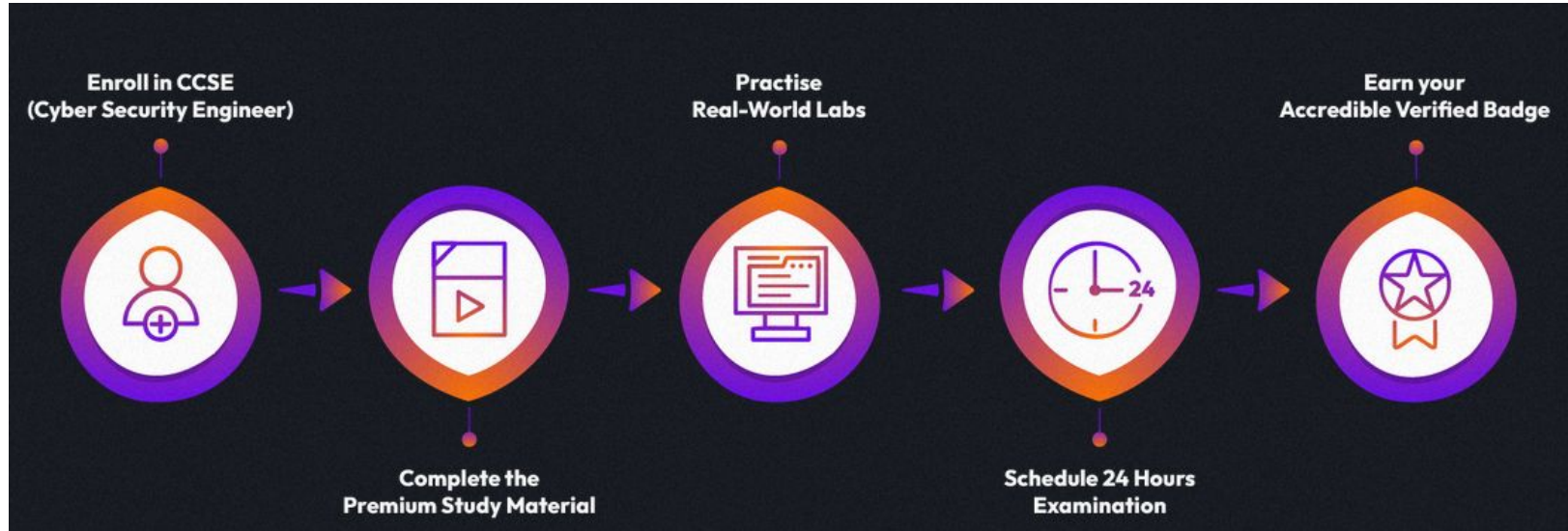
[Forgot Password?](#)  
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The diagram illustrates the Cyber Security Playground ecosystem. At the center is a stylized blue and white logo with 'CWL' inside. Surrounding this central logo are four circular icons representing different teams: a red circle with a padlock icon labeled 'RED TEAM', a blue circle with a shield icon labeled 'BLUE TEAM', a purple circle with a shield icon labeled 'PURPLE TEAM', and a brown circle with a shield icon labeled 'CLOUD SECURITY'. Below the 'CLOUD SECURITY' icon are logos for 'aws' and 'Google Cloud'. The entire diagram is set against a blue background with white lines connecting the central logo to the surrounding team icons.

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# CWL Cyber Security Engineer (CCSE) Certification Procedure





# Certified Cyber Security Engineer (CCSE)

GET **20%** OFF

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# Thank You

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/ Blue Team / Purple Team,  
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**To know more about our offerings, please visit:  
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