

Cyber Range Scenarios

Overview

This is a Cyber Defensive Course of up to five days aimed at all IT Professionals. This is designed to upskill yourself or your Staff and keep up to date with latest security trends. This course can be tailored to your needs. You tell us how many of the scenarios you wish to practice.

This course will give you access to our state of the art Cyber Range and allow you to experience firsthand a real life Cyber Event.

How does it work?

The Cyber Training Range simulates networks, traffic and threats over virtual machines, and can feature additional appliances and hardware to accurately represent company networks. The simulated network is injected with traffic, simulating typical activity such as user emails, web-surfing, and server communications. In addition, real-life attack scenarios are injected into the network, using the predefined attack scenario library as well as custom-built scenarios.

The session is recorded and documented on a timeline, to be replayed and reviewed in a debriefing session. Trainees' skills and capabilities are evaluated for further reference and training. Every session can be rolled-back and repeated.

Cyber Training Range supports both individual and team training.

This course will keep I.T Security Professionals current with latest threats and provide the ability to experience a Cyber attack in a controlled environment.

Our principal location is in Brisbane but we have a mobile Cyber Range that we can bring to your site. If you are interested in a course delivered at your site, please contact us for further information.

Points of Contact:

Email - Cybertraining@elbitsystems.com.au

Website – <http://www.elbitsystems.com.au>

Cyber Range Scenarios Include;

- SQL Injection
- Apache Shutdown
- Web Defacement
- Trojan Data Leakage
- Java NMS Kill
- Java Sendmail
- DB Dump via FTP
- Trojan Share Privilege Escalation
- WMI Worm
- Killer Trojan
- Ransomware
- DDoS SYN Flood
- DDoS DNS Amplification
- SCADA HMI
- SCADA VPN
- SCADA Field to Field

This course will keep I.T Security Professionals current with latest threats and provide the ability to experience a Cyber attack in a controlled environment.

Prerequisites

- Windows System Admin
- Linux system admin
- Network protocols
- Database solutions
- SIEM
- NMS Tools
- Authentication protocol concepts
- Information security

Price: \$3850 ex GST per Trainee for 5 days, however cost may vary depending on training location and course length.

Please contact us for a quote

- Access to State of the Art Cyber Range
- Course Material
- Australia Computer Society Credits

Other Options;

If you would like to discuss other options for the delivery of training, please contact us on the details above. We are currently able to offer this course over 2 x 2 days with extended hours if attendance of 5 days is difficult.

Introduction to Cyber Security

Overview

This is foundation level course of up to five days course aimed at IT Staff and those wanting to learn more about Cyber Security. This course will introduce you to our state of the art Cyber Range and allow you to experience firsthand a real life Cyber Event.

This course will also allow you to explore the terminology associated with Cyber Security, as well as understand about how attacks can affect a wide variety of systems like Industrial Systems and Internet Of Things Devices.

How does it work?

The Cyber Training Range simulates networks, traffic and threats over virtual machines, and can feature additional appliances and hardware to accurately represent company networks. The simulated network is injected with traffic, simulating typical activity such as user emails, web-surfing, and server communications. In addition, real-life attack scenarios are injected into the network, using the predefined attack scenario library as well as custom-built scenarios.

Cyber Training Range supports both individual and team training.

Topics

- Introduction to Cyber Security
- Common attacks and vulnerabilities
- Mitigation strategies and policy
- Basic cryptography
- Information and Network Security
- OT and Industrial Systems
- Understanding a Cyber Range
- Introduction to Cyber tools
- Cyber Range Scenarios

This training will provide attendees the foundation level knowledge to help deal with Cyber-attacks and an understanding of how to mitigate them.

Outcomes

Upon completion of this course, students should be able to:

- Complete a real life cyber attack scenario and
- Investigate Malware and Reverse Engineer
- Describe common threats and vulnerabilities
- Explain common security tools, as well as manage Security and Information Event Monitoring tools. (SIEM)
- Utilise cryptographic techniques to disguise information
- Understand key vulnerabilities in both Information and Network Security
- Explain IT/OT/IOT technologies

Prerequisites

- Windows System Admin
- Network protocols
- Database solutions

Price: \$3850 ex GST* per Trainee for 5 days, however cost may vary depending on training location and course length.

Please contact us for a quote.

- Access to State of the Art Cyber Range
- Course Material
- Australia Computer Society Credits

Points of Contact:

Email - Cybertraining@elbitsystems.com.au

Website – <http://www.elbitsystems.com.au/>