

CYBER RANGE TRAINING

ADVANCED LEVEL COURSE

/ APRIL-MAY, 2017

SYNOPSIS

This course will give to the participants an understanding of offensive and defensive cyber security methods. They will gain knowledge and skills in reacting to a myriad of cyber security and application traffic flows. Participants will be put through Operational Scenarios that include malicious and non-malicious traffic in a safe, secure environment.

PREREQUISITES

Participants should have a good understanding of TCP/IP and traffic flows. In addition, students may be working with routers, switches, firewalls, and IDS/IPS devices, and security information event management (SIEM), so should have a working knowledge of these products. Participants will take on roles of managing the network and security devices during the class, so should have an understanding of these roles.

OBJECTIVES

Upon successful completion, students will be able to:

- Determine best practices for defensive cyber security mechanisms
- Build a Cyber Range to use as a continual learning tool
- Understand cyber security attacks and how they affect network and security devices
- Configure the Ixia BreakingPoint system to run application and security traffic
- Create Operational Scenarios

Day 1:

- Cyber Range Fundamentals
- Network Neighborhood
- Super Flows

Day 2:

- Critical Infrastructure Servers
- Client Simulator
- Application Simulator
- Strike List
- Security

Day 3:

- Session Sender
- Stack Scrambler
- Reconnaissance Activities
- IP Layer Attacks
- Transport Layer Attacks
- Introduction to Application Layer Attacks, Malware and CVE Attacks.

Day 4:

- Application Layer Attacks
- Malware
- CVE attacks

Day 5:

- Review the skills learned throughout the first four days of class.
- Practice those skills using the equipment that has been gathered for the customer's specific requirements.

Venue: INTEC-CARIBALICO

Fee: US\$2,500

Class Schedule:
From 8:30 a.m. to 5:00 p.m.

For more information:

809.567.9271 Exts. 214, 215 y 216

edu.permanente@intec.edu.do

intec.edu.do/permanente

@EducaciónPermanenteINTEC



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