

Secure your Corporate Network Infrastructure Workshop

Nature and Objectives

The 3-day intensive hands-on workshop aims to equip participants with a comprehensive understanding of the security issues in a corporate network infrastructure environment. It is designed to help network and security professionals to further understand the various aspects of network and system security. The course will also highlight how a hacker thinks and works. The participants would then be able to defend his network and system. Each participant will be provided with an environment to practice prevention measures against subversive attacks and intrusions. There will be exercises in which the participants are expected to try out related techniques.

Who Should Attend:

System and Network Administrators / Engineers / Analysts, Technical Engineers / Managers, Data Security Officers, Information Security Analysts / Managers, IT Auditors and Managers, Network Managers, Security Consultants and System Integrators.

Fee(HK\$): 5,600 / 5,040 (*Enrolment on or before June30 23, 2010*)

Code: 40120028

Date: July 21-23, 2010

Time: 9:30am - 5:00pm

Venue: Hong Kong Productivity Council

Medium of Instruction: Cantonese (with handout in English)

Award of Certificate: Certificate of Attendance

Common Network Threats & Cyber Attacks

- Cyber Stalking, Cybercrime, Cyber Terrorism & Identity Theft
- Network Probing, Packet Sniffing, Password Eavesdropping & TCP/IP Attacks
- Email Attacks (Spoofing, Phishing, Pharming & Spamming)
- DoS and DDoS Attacks
- Web Service and Web Application Attacks
- Viruses, Worms & Malware Attacks

Secure Network Architecture Design

- Principles & Approaches
- Network Components and Architecture
- Demilitarize Zone & Private Zone (Network Isolation)

Advanced Security Considerate of Network Components

- Routers and Switches
- Virtual Local Area Network (VLAN)
- Advanced Application of Firewalls
- Intrusion Detection & Prevention
- Virtual Private Network (VPN)
- Monitoring & Auditing Systems

Advanced Wireless Network Security

- Wireless Network Architecture
- Wireless Security Threats & Mitigation
 - Assessing WLAN vulnerabilities
 - Peer attacks & Information Theft
 - Forcing client de-authentication
 - Intercepting Wi-Fi traffic
 - RF Jamming & Data Flooding

Systems Hardening

- Principles & Approaches
- Systems Architecture & Configuration
 - Network Components
 - Operating Systems
 - Applications
 - Services

Passive Vulnerability Discovery

- Internet Profiling and Information Gathering
- Online Tools
- Google Hacking
- Footprint Analysis

Active Vulnerability Discovery

- Penetration Testing
- Vulnerability Assessment
- Firewall and VPN Assessment
- Server Configuration Assessment
- Network Architecture Assessment
- Web Vulnerability Scanning
- Web Applications Assessment
- Wireless Security Assessment
- VoIP Security Assessment
- Social Engineering

Protection for Data Transmission

- Cryptography for Data Transfer
- Secure Remote Access

Data Protection & Access Control

- Wireless Devices Security
- Extensible Authentication Protocol
- VPN technologies in Legacy WLAN
- Deploy & Control Advance WLAN

Resilience, High Availability and Disaster Recovery

- Models of Redundancy
- Clustering & Load Balancing
- Control Measures in DR Plan
- Strategies of Disaster Recovery

Tel: 852 2788 6266 or 852 2788 6271 / Fax: 852 2788 6260 / ait@hkpc.org

Name: _____	Job Title: _____	
Organization: _____	Fee: _____	
Address: _____		
Tel: _____	Fax: _____	Signature: _____
Email: _____		_____

- To enroll, please complete the enrolment form and send it together with the appropriate fee to **ICT & Logistics Unit, Productivity Training Institute, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong**. All cheques should be crossed and made payable to "**Hong Kong Productivity Council**".
- Course fee must be accompanied with this form (or its photocopy), otherwise enrolment may be rejected.
- HKPC has adopted a Personal Data (Privacy) Policy. Information about the policy is available at HKPC enrolment counters for collection. You may also contact our Personal Data Controlling Officer for further details.
- Applicants are encouraged to pay by credit cards, EPS or cheques, if possible. Amount received will be imprinted. Cheques are subject to bank clearance.
- Enrolment fee is not refundable unless HKPC is notified in writing of your withdrawal at least 5 working days before the course commences. A handling charge of HK\$200 will also be levied.
- An applicant may, subject to approval from HKPC, nominate a person to attend the course on his/her behalf.
- HKPC reserves the right to change the contents, venue and / or time as necessary.
- Classes in the morning, afternoon or evening will be cancelled if typhoon signal No. 8 or above OR black rainstorm warning is still hoisted after (or is announced by the Hong Kong Observatory to be hoisted at/after) 6:00 a.m., 11:00 a.m. and 4:00 p.m. respectively. Participants will be notified when the class will be made up as soon as possible.

Organized by

