Enterprise Security :

OSSA **Organizational Systems Security Analyst™**

Solutions4U

www.solutions4u-asia.com

A Five Days Practical Hands-On Workshop

Course Highlights

The **Organizational Systems Security Analyst™** OSSA™ is an internationally-accredited practical and technical IT-security certification programme that teaches IT professionals how to secure an enterprise networks and systems.

Unlike "hacking" courses which typically focus on tools which can become ineffective very fast in the real world, the OSSA™ looks at security from a methodological perspective and draws lessons from Sun Tzu's "Art of War", introducing the practicalities of IT Security, and not just theory. It then populates the framework with resources and tools by which various security aims and objectives can be met. For these technical portions, although there is practical coursework, the aim is not to teach about the tool itself but about the category of usefulness that the tool falls into so that the course attendees can elect, on their own, the "best-of-breed" for the task at hand.

Course Objectives

With its emphasis on the use of Open-Source-based methodologies and tools to achieve the objective of network and Windows/Linux/Unix server security for organizations, the OSSA™ teaches a wide-ranging and vendor-independent approach to **real-world** planning, operational and legal issues surrounding IT-Security which both profit and non-profit organizations will encounter.

Course Benefits

Taught by certified and accredited trainers, this practical 5-day, hands-on security certification course is geared at equipping participants with the knowledge and practical technical skills necessary to secure their organizations from both internal and external threats, as well as understanding the impact of law on IT-Security policy and operations within the organization. At the end of the course, program participants will benefit with the following:

- A top-to-bottom practical understanding of the real-life issues facing the IT Security Professional today, augmented by workbook-based lab work setting up a complete enterprise defensive network overlay.
- The ability to advise their organizations about the various IT Security risks and how to mitigate them.
- An understanding of the need to ensure that policies, procedures, people and platforms are executed and established in a secure manner.
- The ability to conduct incident response and basic computer forensics.
- An appreciation of the legal framework in which all organizations operate in and its impact on the organization.

Enterprise Security Certification

This course emphasizes on practical coursework and certification is awarded on the basis of a **OSSA™'s practical, lab-based certification exam**, which is held on the last day of the course. The exam can also be taken separately during the next class run, by prior arrangement. The certification is not only an investment, but also help both the attendees and their companies to verify the true skill and capability of a security professional.
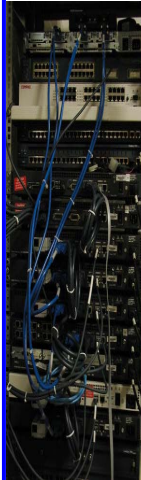
IT Security Courses

ThinkSECURE
No.ASG07/3501
-ACCREDITED-

OSSA Organizational Systems Security Analyst™

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About Us

Solutions 4U (S4U) is a leading provider of quality corporate and professional training and consultancy services in Malaysia and Singapore.

We provide a portfolio of course designed to meet your learning needs. These include a full engineering and technical curriculum, quality awareness, ICT desktop applications, soft skills development and management enhancement courses. S4U will also help your staff gain essential skill set through a variety of activities: Interactive seminars, practical workshop, hands-on training and enriching courses.

Programme Outline:

Practical coursework is interspersed throughout the programme. The following is a brief course outline:

What is Information Security
- Sun Tzu's Guiding Principle
- Cybertacks
- Cybertack Origins
- Defining Security: Key Terms
- The CIA Triad
- The SOB Troika
- The 8-Step Security Gameplan

Network 101
- Sun Tzu's Guiding Principle - Sniff Me If You Can
- Frames on the wire - Frames & Packets
- Layer 4: Ordering The Mess - ARP, DNS & Routing
- Sniffer Log Analysis

Defending your Turf & Security Policy Formulation
- Sun Tzu's Guiding Principle - This LANd Is Mine
- Due Diligence - Building A Policy
- The 4P Methodology of Defence

Defensive Tools & Lockdown
- Sun Tzu's Guiding Principle
- Firewalls
- Lab Network Firewall Deployment & Configuration
- NIDS (Network-based Intrusion Detection System)
- Lab Network NIDS Deployment & Configuration
- HIDS/FIC (Host-based IDS & File Integrity Checkers)
- Lab Network HIDS/FIC Deployment & Configuration
- Honeypots
- Lab Network Honeypot Deployment & Configuration
- Cryptography: VPNs, Digital Signatures & GPG
- Lab Network GPG Deployment & Configuration

The 5E Attacker Methodology: Attacker Methods & Exploits
- Sun Tzu's Guiding Principle
- Anatomy of an attack: The 5E's
- Preparation & Tools Repository
- Sandboxing

The 5E Attacker Methodology: Attacker Methods & Exploits
- Social Engineering, Dumpster Diving & Physical Violation
- Browsers, WHOIS & DNS as attack tools
- War Driving, Network Mapping & Port Scanning
- OS Determination & Fingerprinting
- Vulnerability & Web Scanning (network & web-based)
- Spoofing, Session Hijacking, MITM
- DoS & DDoS: Botnets & Zombies
- Exploit Fundamentals: Buffer Overflow & Heap Overflow
- Format String Vulnerability
- Metasploit Framework & Exploit Code compilation
- Web Application Vulnerabilities
- Password Cracking
- Backdoors & Covert Channels
- Trojans & Rootkits
- File Hiding, Log Modification & Executable Removal

Wireless (In)Security Introduction
- Sun Tzu's Guiding Principle
- WLAN Security Basics: WEP, WPA-PSK, WPA/WPA2
- Warchalking & Cantennas
- Typical WLAN Deficiencies

Incident Response & Computer Forensics
- Sun Tzu's Guiding Principle
- Case Study Part I: Incident Response
- Incident Response Framework
- Computer Forensics Introduction
- The Role of a CFI
- Chain of Custody
- Data Acquisition
- Information Gathering: Web & Code Forensics Analysis
- Case Study Part II: Computer Forensics

The Impact Of Law
- Sun Tzu's Guiding Principle
- Why You Need To Know
- The State Of Cybercrime Law
- Problems with Enforcement
- Case Study Part III: Legal Issues

Who Should Attend

IT-Security Professionals, Network Designers, Security Testers, Network Administrators, System Administrators/Analysts, Application Designers/Specialists, IT Managers/Engineers and anyone who wants or needs to know how to secure their infrastructure or is looking to get into the IT-Security industry.

| Please REGISTER Me for the Programme(s) indicated above: |

Compulsory Information:

Name: Dr/Mr/Mrs/Ms _____
<small>(As in identity card or passport. Please underline your surname)</small>

Nationality: _____

Designation: _____

Department: _____

Organization: _____

Mailing Address: _____

_____Postcode: _____

Email: _____ Handphone: _____

Telephone: _____ Fax: _____

Please fax or send this registration form to Mr Oliver Rodrigues at Solutions 4U Sdn Bhd.
36-1 Plaza Puchong, Jalan Puchong Mesra 1 58200 Kuala Lumpur, Malaysia. Tel: (603) 8071 1300 Fax: (603) 8071 1400

Enterprise Security :
Organizational Systems Security Analyst (OSSA™):

Date: 08 ~ 12 September 2008

Fees: RM 5,000 per pax (Standard Price)
(Special Price from IT Security Seminar 2008)
RM 4,000 per participant
RM 3,500 per pax for 3 participants

How do you know about this training?
- ☐ Referrals
- ☐ Newsletter
- ☐ Direct Mail
- ☐ Others_____

SIGN HERE

_____
Authorised Signature and Company Stamp

I hereby confirm my application for the "Organizational Systems Security Analyst" course at RM_____ and declare that I have read and understood the terms and conditions stipulated under the contract.

Method of Payment
- ☐ Check No: _____
- ☐ Cash