



❖ Course Description

Web applications are essential to everything from embedded systems to e-commerce systems. According to many research, web application attacks account for 70% of all cyber attacks. This course looks at the problems unique to the web applications and shows how attackers target these systems, how easy the vulnerabilities are to exploit, and how to solve these problems. Most of the 2007 OWASP Top Ten are covered in this course, as well as other security issues.

❖ Type of Delivery

Instructor-Led Training

❖ Duration

10 days
3 hours/ Session

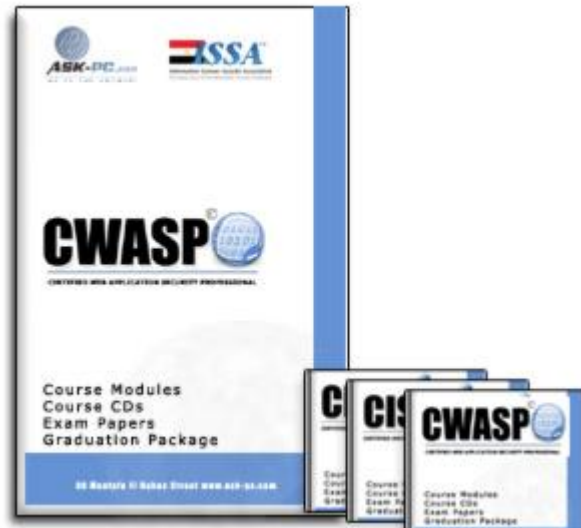
❖ Training Benefits

The following benefits provided with our training

- Study Materials (Soft Copy on CD-ROMs)
- Student Guide
- Professional Presentations
- Video Demos, Tutorials and Practice
- Open Source Security Tools CD
- Exam & Project (Obligatory)
- C3I Accredited Certificate from ASK PC
- Certificate of completion from ISSA Egypt
- CISSP CPE credits
- ISSA membership and much more!

❖ Course Contents

Through our Instructor-Led training, you should be familiar with web servers and common vulnerabilities. You will understand the difference between web applications and other type of applications. You will learn how hackers are finding your weakness. Understanding how to check your application code to insure maximum security for your web application and prevent known and unknown attacks. Learn the major required steps to secure Web 2.0, Ajax and other type of web technologies.



❖ A few of the covered topics are

- Understanding Web Servers
- Understanding Web Applications Architecture
- How Web Applications work
- Backend databases
- Web Application and Security
- Hacking Web servers
- Server vulnerabilities by platform
- Attacks against IIS
- Attacks against Apache
- Web Server Hacking Techniques
- Automated Vulnerability Scanners
- OWASP Top 10
- XSS Attacks
- SQL Injection
- Malicious File Execution
- Insecure direct object reference

- Cross Site Request Forgery
- Improper Error Handling
- Buffer overflows attacks and defense
- Defeating the stack based buffer overflow
- Attacking Web Services
- Attacking Web Management
- Automated Web Hacking tools
- Attacking web clients, ActiveX, Flash Objects etc
- Cross Domain Attacks
- Ajax and JavaScript malicious codes
- Web Application Exploitation Framework
- Web Browser security and web privacy
- Internet Explorer 7 Security Options
- Web Protection
- Web Host Manager –WHM Security overview
- CPanel – Security Features overview
- Understanding .htaccess files and apache
- Security using .htaccess
- Domain Protection
- Web Application firewalls
- Advanced Google Hacking Techniques
- Case Study – Securing vBulletin
- Case Study- Securing Joomla
- And much more



❖ Who should attend

Those who are responsible for developing web applications, programmers, web designers, web hosting administrators, ISPs, network administrators, software engineers, cyber crime investigators and anyone interested in web application security.

❖ Prerequisites

Basic understanding of web applications and basic knowledge of any programming or scripting language is preferable but not required. It is preferable to be familiar with web servers and Windows or Linux operating system at intermediate or advanced level. For your convenience, download our free IT courses to enhance your IT knowledge: <http://www.ask-pc.com/askIT.php> (Arabic syllabus).

❖ **Course certification**

Upon completing our offsite assessment in addition to the project, you will be eligible to get your CWASP certificate from ASK PC and CPE report from ISSA Egypt. This course is offering CEUs from IEEE and IACET for more information: www.ieee.org/partners

❖ **ISSA Egypt**

This course is provided for ISSA Egypt chapter as an advanced level in IS security. ASK PC is the founding sponsor and course provider for ISSA Chapter in Egypt. You will get also CPE credits for CISSP certification upon completing this training.

More information at www.issa-eg.org

❖ **About the author**

Dr. Mohamed N. El-Guindy, PhD, MBCS CITP, ABILD is the author of CWASP course in addition to other IS security courses for ASK PC. He is also the founder and president of both ASK PC and ISSA chapter in Egypt. He has broad experience in the field of Information Technology and also speaker in many security events.

For more information, kindly check this page:

<http://www.ask-pc.com/founder.html>



CPE credits: 30



Egypt chapter dedicated training



More about our partners: <http://www.ask-pc.com/partnerstec.html>

Check our security training and courses:



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