



❖ 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

E-Learning

❖ Duration

Recommended: **10 Weeks**

But you will have one year access to the training materials.

You can set your own schedule.

❖ Training Benefits

- Online access for 1 year
- Professional training materials
- Video Tutorials
- Assignments, projects and activities
- International certificate from ASKPC
- CEUs Certificate from IEEE
- CPE credits for CISSP certificate – 36 CPE

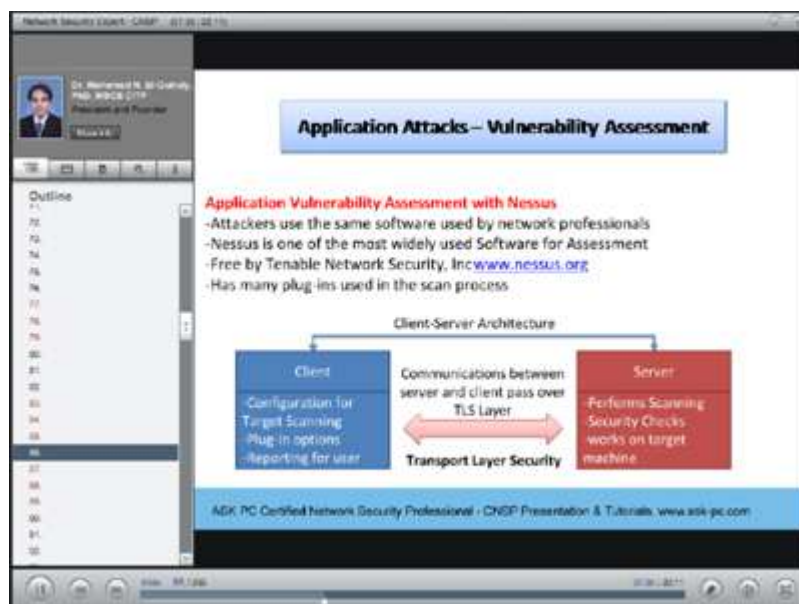
❖ **Course Contents**

Through our interactive 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.



❖ Recommended references

- Hacking Exposed 6th Edition
- Hands-on Ethical Hacking and Network Defense
- Hacking Exposed Web Application 2
- ISSA Journal, Selected Articles
- Additional resources will be described inside your student area.

❖ **Added Benefits**

Through a collaboration between the Institute of Electrical and Electronics Engineers (IEEE) and ASKPC, you can now further your education without compromising quality for convenience. Once you successfully complete the training with required assessments you will receive CEUs certificate from IEEE. If you are an IEEE member, you will be entitled for **10% discount**. For more information: www.ieee.org/partners

❖ **ISSA Egypt**

ASKPC is the founding sponsor and course provider for ISSA Chapter in Egypt. As an ISSA member you will be entitled for **10% discount**. If you are not a member yet, you will get ISSA membership for one year. ISSA membership is a great value for your training. You will have access to professional benefits such as ISSA journal, whitepapers, and free webinars. You will also interact with security professionals all over the world. For more information please visit: www.issa.or or www.issa-eg.org

❖ **About the author**

Mohamed N. El-Guindy, PhD, CEng, MBCS CIP, MIEEE, ABILD is the author and developer of ASKPC IS security courses. He is also the founder and president of both ASKPC 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>

Check our security training and courses:



www.askpc.net