APPCHECK NG
ACCURACY IS EVERYTHING

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Web Application Security Seminar

NEXT SEMINAR: **Manchester – Friday 9th February 2018 - 9.30am- 4:30pm***

A Practical View of the Most Common Threats Facing Web Apps Today

The Web Application Security seminar is a free event that presents a detailed analysis of the most common threats facing web applications today. We will review high profile examples and provide a technical breakdown of critical security flaws along with an introduction into emerging technologies such as HTML5.
Each candidate will receive a copy of the slides and exclusive tools and exploit code used in the live hacking demonstrations.

Seminar content includes: -

Course Overview
Insecure web applications are among the greatest security threats to organisations today. To counter these threats AppCheck-NG will host a web application security seminar to dissect these threats in detail and discuss how they impact organisations.

In the last year alone, AppCheck-NG completed over 7000 web application vulnerability scans for some of the UK's leading organisations. Whilst carrying out these scans, we have uncovered a range of recurring, high risk vulnerabilities. This seminar presents a summary of our most recent findings, including live demonstrations of hacking techniques and most importantly, common sense remediation activities.

Course Outcomes
Each attendee is provided with the AppCheck Web Application and Infrastructure Scanner which they are also able to trial, free of charge, upon completion of the course.

Key Benefits

This training module provides attendees with the following benefits: -

- Learn to protect your Web Applications from vulnerabilities that pose the greatest threat to organisations.
- Attain the skills required to test against the OWASP Top Ten
- Free Securing Web Applications Tool Kit
- Free use of the AppCheck Web Application and Infrastructure Scanner

Previous seminar attendee comments:

"I thoroughly enjoyed my day with AppCheck; the live hacking was a real eye opener. It showed how online tools are readily available for hackers to use, which has led me to take preventative steps to ensure this doesn't happen to our network. Overall an informative day which I would actively recommend to others… "

"Crammed a lot of content into a short time with practical and relatable real world examples and testing methods"

"A fantastic and revealing insight into the world of hacking"

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The Days Agenda:

Threat landscape.
- Web application security and the OWASP top 10
- Recent high provide web attacks and data breaches
- Mapping the attack surface
- Application mapping techniques
- Efficient automated crawling
- Mapping JavaScript rich applications
- Analysing flash files
- Finding hidden components

OWASP Top 10 number 1: Injection Vulnerabilities
- An overview of injection attacks
- An analysis of SQL injection
- Automated detection of blind and edge case SQL Injection vulnerabilities
- Exploiting SQL Injection demo
- Preventing SQL Injection
- Command/Code injection
- Remote Code Execution demo

OWASP Top 10 number 2: Broken Authentication and Session Management
- Session security best practice
- Authentication system vulnerabilities
- Attacking authentication demo: Attacking WordPress
- Authentication best practice

OWASP Top 10 number 7: Cross Site Scripting (XSS)
- XSS Theory
- High profile XSS attacks
- Detecting XSS
- XSS in Adobe Flash
- XSS Demo

OWASP Top 10: The rest
Examples of other "high" impact security flaws.

HTML 5
New features introduced in HTML5
Cross Origin Communication
Attacking PostMessage
CORS Vulnerabilities

Assessment Techniques
Automated scanning
Proxy tools
Static vs Runtime vs Blackbox testing
Performing static analysis with freely available tools

Popular content management systems; WordPress, Drupal and Joomla
Security benefits and drawbacks of using a popular CMS
Demo: Exploiting Drupal
Demo: Exploiting plugins

Introducing AppCheck NG
Our approach to vulnerability detection
Unique features built by our pen testing team
Benchmarks and bug bounties; examples of vulnerabilities discovered by AppCheck NG in Bing.com and Microsoft.com

Using AppCheck
Scheduling a scan
Generating a professional report

Q & A*
*The seminar is expected to finish at 4:30pm latest, depending upon the Q&A session

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