



Call us on 01924 284 240

Sec-1's Penetration Testing Seminar

The Top Network and Web Application Vulnerabilities

A Practical View

Schedule for the event:

Bristol, 26th January 2018

The threat landscape is a vast one that we all work to defend against on a daily basis. It is so vast, and apparently complex, that it can be difficult to work out which threat needs managing first.

It is our belief at Sec-1 Ltd that it doesn't have to be this way.

Our experience, in line with the 2014 Data Breach Investigations Report, is that attackers and their attacks can be distilled in a small number of basic patterns and that when threats are considered in this way it is possible to build an effective security strategy.

Awareness is the beginning of this process and that is what this day long seminar will give you. We will be looking at attack patterns and the actors who cause them, and give specific recommendations to thwart the threat and you are welcome to join us.

Schedule of the Days Content

Introduction

- Understanding the threats
- Recent attack trends
- Real world examples

Attacks from the Internet

- Direct attacks on published services
- Targeted malware attacks
- Attacks exploiting brand & attacking users
- Data theft & modification using SQL Injection
- Defending against SQL Injection
- Broken Authentication & Session Management
- Weak Passwords & Dictionary attacks
- Attacking WordPress installations
- Exploiting server vulnerabilities
- Phishing & Exploiting the User
- RansomWare
- Advanced Persistent Threats
- Using XSS flaws to steal user sessions, deface websites, harvest user data, & propagate malware

Attacks from the Inside

- A review of the top 5 network vulnerabilities
- Compromising Windows domains & hosts
- Insecure SQL Servers
- Host & network compromise using weak local, domain, and service account passwords
- Stealing & impersonating Windows Tokens - pass-the-hash and Password reuse

Defensive Strategies

- Tools for a proactive strategy
- RansomWare—avoiding Paying Up
- Introduction to Penetration Testing & Commissioning a Penetration Test
- What information to provide and what to expect
- Deploying comprehensive patching policies
- A place for automated scanning
- Firewall Configuration



Sample Topics Covered...

SQL Injection

See how the highest impact vulnerability is exploited and remediated against.

Cross Site Scripting

DOM Based or Reflected, equally damaging to user information and company reputation

Common Vulnerabilities

Practical advice to secure your network against common vulnerabilities

Types of threats

A review of all types of threats from Automated Botnets to Professional Hackers.

Tools of the Trade

Lists of discovery tools follow each demo session.

Demos of Techniques

Each area of discussion will be followed by a practical example of how a typical attack is executed, including:

- SQL Injection two ways
- Conducting and Authentication Attack
- Web defacement using XSS
- Point & Click Attacks
- Gaining domain administrator

Venue & date

26th January 2018

Bristol City FC Football Stadium

Ashton Gate Stadium

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