OWASP Cambridge Chapter & BCS East Anglia Region
"Securing the Internet of Things (IoT)"

Tuesday 10th November 2015 17:45 – 20:30, Lord Ashcroft Building (LAB003), Anglia Ruskin University, Cambridge.

Hosted by the Department of Computing & Technology, Anglia Ruskin University, British Computer Society (BCS) East Anglia Region and OWASP (Open Web Application Security Project) Cambridge Chapter

Guest speakers: Steve Lord - Mandarolian

Abstract: "Trying (and failing) to secure the Internet of Things"

Have you ever felt that your life is incomplete without socks that tell you when to wash them? Do you feel a strange hollow sense of ennui that can only be filled with a cloud-based solution for tracking the freshness and replenishment of eggs in your fridge? Well worry no more, friend, the Internet of Things is here with solutions for every problem, even ones that don't exist!

In this talk we'll take a humorous look at the way the wonderful world of IoT works, the security issues surrounding it and I'll focus specifically on the IoT widgets, and problems facing IoT designers and providers. We'll also look at some hypothetical solutions and my own failed attempts at implementing them.

Biography:

Steve has been a career penetration tester for 16 years and has a special love for snake oil solutions. When not pulling apart IoT devices, Steve breaks into networks and applications at Mandalorian, co-organises the UKs 44CON Cybersecurity and 44CON London conferences and builds devious hardware.

Steve keynoted AppSec EU earlier this year talking about the Internet of Things, and previously spoke at AppsecEU in 2009 about WordPress (in)security in Dublin. He also writes about penetration testing and career hacking at rawhex.com and occasionally for SC Magazine, IT Security Guru, the Gentleman Hacker's Club and other online outlets.

Guest speakers: John Mersh - Trusted Software

Abstract: "Software and System Security: a life vest in the IoT ocean"

Software and system security is always given at least lip service by every IoT provider but how many actually implement it?

This talk covers the many areas that software and system security covers which don't just cover the "things" but the whole system. John will explain how the right security solution can not only protect your customers but can protect your IP and your business against the sharks that are to be found in the IoT ocean.

Biography:

John has worked in the computer industry for the last 30 years in fields ranging from CAD to Hardware Security Modules to Mobile Phones. He has been working in software security for more than ten years.

John has worked on systems ranging in size from mainframes down to Java cards and has been deeply involved with the development of security standards such as the GlobalPlatform TEE, Trusted Computing Group Mobile TPM, OMTP mobile security standards and the Bluetooth Link Manager. He has worked for a variety of companies including ARM on the TrustZone Architecture and now runs his own consultancy company.

Background

OWASP (Open Web Application Security Project is a 501(c)(3) not-for-profit worldwide charitable organization focused on improving the security of application software. Their mission is to make application security visible, so that people and organizations can make informed decisions about true application security risks

The British Computer Society (BCS) East Anglia Region represents the computing profession in the Eastern region providing networking opportunities for professionals and companies, a forum for continuing professional development and encouraging young people to enter and stay in technology based business.

The Department of Computing & Technology at Anglia Ruskin University is enhancing its curricula and capabilities in information security following its successful BSc(Hons) Information Security and Forensic Computing pathway. Establishing a joint professional networking group with OWASP concentrating on aspects of computing and application security is a key part of this enhancement. A key aim the department is working towards is developing a MSc Information Security specialising in Application Security and as part of this activity looking to develop and a local Information Security Student Society.

Agenda

18:00 – 18:15 Welcome from the OWASP Cambridge Chapter Leader &
"Introduction to the OWASP IoT Project" Adrian Winckles, Course Leader in
Information Security & Forensic Computing, Anglia Ruskin University
18:15 – 19:15 "Software and System Security: a life vest in the IoT ocean" John
Mersh - Trusted Software
19:15 – 20:15 "Trying (and failing) to secure the Internet of Things" Steve Lord -
Mandarolian
20:15 – 21:00 Refreshments & Networking (coffee, tea, juice) in LAB006

Registration

To register for this free event, please register online at

[**https://www.eventbrite.com/e/secuing-the-internet-of-things-joint-owasp-cambridge-bcs-east-anglia-event-tickets-19226422748**](https://www.eventbrite.com/e/secuing-the-internet-of-things-joint-owasp-cambridge-bcs-east-anglia-event-tickets-19226422748)

The meeting will be held in the Lord Ashcroft Building, Room LAB002 (Breakout Room LAB006 for networking & refreshments).

Please enter through the Helmore Building and ask at reception.

Anglia Ruskin University
Cambridge Campus
East Road
Cambridge
CB1 1PT

Get further information on travelling to the university.

http://www.anglia.ac.uk/ruskin/en/home/your_university/anglia_ruskin_campuses/cambridge_campus/find_cambridge.html