



Aperture Labs Security Convergence Audit

Many companies are seeing the benefits of converging their historically separate physical and electronic security departments, but with those benefits there are also potential risks. Staff well versed in physical security technologies are unlikely to have the same depth of knowledge of IT security, and vice-versa. This can lead to grey areas or blind-spots, particularly where technologies literally converge, and an element of IT is being used to control a physical security system, such as a door entry access controller or a network enabled alarm system etc.

IT Security audits have been available for many years, including Penetration Testing or “Pen-Testing” for short, but up until now there has been little attention paid to the very real threat of data compromise through theft of equipment or unauthorised physical access to data centres or office networks. This audit addresses these issues by taking a view of the business as a whole, and looking not only at each individual component, but also at each point of intersection or interaction in order to identify potential weaknesses or misconfigurations.

Companies that have not yet converged or are not planning to do so will also benefit from the full physical security component of this audit.

Objective

- Create a snapshot of your current physical security status
- Identify elements that intersect with or depend on IT services
- Identify elements that use electronic security components
- Identify elements that use physical security only
- Identify roles, responsibilities and processes
- Attempt to compromise IT components
- Attempt to compromise electronic components
- Attempt to compromise physical components
- Document findings in comprehensive report

Benefits

- Find and correct weaknesses before loss or intrusion
- Raise awareness of IT issues within Physical Security groups
- Raise awareness of Physical Security issues within IT groups
- Ensure all security responsibilities have been correctly designated
- Knowledge transfer of tools & techniques
- In-depth customised testing tailored to your site(s)
- Confidential service
- Security Cleared individuals available if required

Deliverables

- Audit Executive Summary
- Audit Detailed Technical Report

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Related Aperture Labs Services

- Security Design
- Physical Device Audit
- Security Plan Audit
- Training
- Remediation Consultancy
- Testing and Research
- CMOE Training / Development (*Law Enforcement / Government only*)

Why Aperture Labs?

We combine 20+ years of experience in the IT Security sector with 20+ years of Physical and Electronic Security experience, through the teaming up of Adam Laurie and Andy Ritchie to form Aperture Labs Ltd., the first UK company dedicated to bleeding edge Physical and Electronic Security Research.

Biographies

Andy Ritchie

Andy Ritchie has been working in the computer and technology industry for over 20 years for major industry players such as ICL, Informix, British Airways and Motorola. Founding his first company, Point 4 Consulting at the age of 25, he built it into a multi-million pound technology design consultancy. Point 4 provided critical back end technology and management for major web sites such as The Electronic Telegraph, MTV, United Airlines, Interflora, Credit Suisse, BT, Littlewoods and Sony. Following Point 4 he went on to found Ablaise, a company that manages the considerable intellectual property generated by Point 4, and Aperture Labs. In his spare time he manages the worlds largest and longest running security conference, Defcon.

Andy's research focuses on access control systems and biometric devices, and he has spoken and trained at information security conferences in Europe and the US publicly and for private and governmental audiences. He is responsible for identifying major vulnerabilities in access control and biometric systems, and has a passion for creating devices that emulate access control tokens either electronic physical or biometric. Andy has been responsible both directly and indirectly for changing access control guidelines for several western governments.

Adam Laurie

Adam has been working in the computer industry since the late seventies, starting in his family database software business as a programmer and then technical support engineer. In the eighties he went on to form his own data processing company, which became the largest such specialist company in Europe (A.L. Downloading Services), and then A.L. Digital Ltd., a systems integrator that was responsible for many industry firsts, such as the design and implementation of the first entirely computer controlled digital radio satellite service (Music Choice Europe) and the first Telecom and Financial Web Portals (Cellnet Genie and Scottish Widows). During this period A.L. Digital published the first Open Source secure webserver platform - Apache-SSL - which went on to become the de-facto standard with over 70% of the global market share. Adam's focus by this time was firmly on computer security, and he went on to discover multiple flaws in emerging consumer technologies, including the first Bluetooth vulnerability 'BlueSnarfing', and many others in the fields of Bluetooth, InfraRED, Magnetic Stripes and, more recently, RFID. Over the past five years he has been a regular speaker (including several Keynotes) at international security conferences, such as DEFCON, BlackHat, CanSecWest, EuSecWest, ToorCon, SyScan, DeepSec, First Forsensic Forum, InfoSec, IT-Defense, and also for Police and Military at locations such as NPIA, CPNI, ACPO, West Point etc.

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