



Infopulse Conducts Security Audit of Embedded Solutions for Bosch

Bosch reduces business risks and improves software quality of the products

Industry: Manufacturing

Location: Germany

Employees: 10,000+

Website: www.boschsecurity.com



Infopulse Conducts Security Audit of Embedded Solutions for Bosch

Business Challenge

Conduct an independent comprehensive security audit to ensure the security of different client-server and embedded solutions.

Solution

The whole scope of security services, namely penetration tests and deep technical security analysis of the physical security management solutions and the devices' embedded software.

Business Value

Comprehensive reports on security risks and vulnerabilities with strategical and tactical recommendations on mitigating threats and improving security.

Technologies:

NIST NIST SP800-115



PTES



OWASP

EC-Council

EC-Council

ISF ISF SoGP



BSI IT-Grundschutz

Client Background

Bosch Security and Safety Systems is a leading global supplier of security, safety, and communications products and systems. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Bosch Security and Safety Systems develops and manufactures its products in its own plants in Europe, Americas and Asia and has distribution partners in more than 150 countries.

Business Challenge

Bosch Security Systems has been a long-term customer of Infopulse. Since 2007, the two companies implemented many successful projects together.

This time, our client asked us to conduct an independent comprehensive security audit of different client-server and embedded solutions.

Solution

Types of services:

- security assessment
- threat and risk analysis
- penetration testing

Infopulse developed clear and transparent rules of engagement and full specifications of the technical security assessments. Upon approving the security assessment plan with the client, Infopulse implemented

the whole scope of the security project, namely penetration tests and deep technical security analysis of the physical security management solutions and the devices' embedded software, i.e., application binaries, configurations, data, traffic, protocols, interfaces, encryption, databases, etc. All actions were conducted with the formal compliance with the customer's internal requirements and external regulations.

Standards and tools

The project was conducted with adherence to the world's best practices – NIST SP800-115, PTES, OWASP, EC-Council, ISF SoGP, BSI IT-Grundschutz.

Infopulse used numerous proprietary automated and manual tools, including reconnaissance, enumeration and scanning tools, network traffic analyzers, sniffing tools, web, and TCP debug proxies, database vulnerability analysis tools, cryptanalysis tools, binary analyzers, and debuggers, etc.

Business Value

The customer received comprehensive reports on security risks and vulnerabilities with strategical and tactical recommendations on mitigating threats and improving security. The following benefits were provided:

- Reduced security costs
- Dramatically reduced business risks
- Improved software quality of the products to be delivered to the end-customers worldwide.



The Bosch brand is a global leader of quality and innovations. Our product philosophy is to build reliable and trustworthy solutions with adherence to the highest industry standards. By making valuable contributions to the development of our products, Infopulse has

proven to be a productive, efficient and reliable partner for Bosch Security Systems. We would like to express sincere appreciation for the quality of services delivered by Infopulse security team.

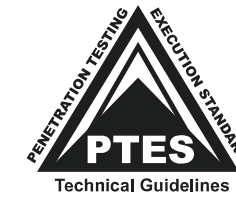


Harald Schoengen

Senior Manager at Bosch Security Systems

Technologies

NIST NIST SP800-115



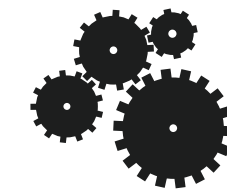
PTES



OWASP

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About Infopulse

Infopulse, part of the leading Nordic digital services company Tietoevry, is an international vendor of services in the areas of Software R&D, Application Management, Cloud & IT Operations, and Cybersecurity to SMEs and Fortune 100 companies across the globe. Founded in 1991, the company has a team of over 2,300 professionals and is represented in 7 countries across Europe and the Americas.

Infopulse is trusted by many established brands, such as BICS, Bosch, British American Tobacco, Credit Agricole, Delta Wilmar, ING Bank, Microsoft, Offshore Norge, OLX Group, OTP Bank, SAP, UkrSibbank BNP Paribas Group, Vodafone, Zeppelin Group, and others.

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