

Information Security Analyst Profile

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Abstract

Internet of Things is a concept dating back to 1991 and it refers, in fact to a scenario where everything is connected to the Internet. The idea of having everything interconnected and moreover, connected to the internet becomes more and more usual nowadays and futurologists start to be extremely realistic when admitting that from the car to house appliances, body characteristics such as temperature to pet automatic feeding machine, everything will be connected to World Wide Web. In this world a critical aspect emerges, that of information security. We are starting to be more and more reluctant to providing information which relates to us but what if that is taken without our knowledge and what if we are a large enterprise with valuable intellectual property. This is one of the main reasons why in the Information Security field the demand for jobs is growing extremely rapidly. IT security specialists are almost always found in any major enterprise/establishment due to the nature and value of the data within larger businesses. This article details the Information Security related jobs, thoroughly studying the InfoSec analyst role. Moreover it highlights the critical importance of training and certification programs.

Index terms: information security, confidentiality, integrity, defense in depth, monitoring, vulnerability assessment, forensics, data loss prevention, penetration testing, network security, Security Auditor, International Information Systems Security Certification Consortium, CISCO, Qualys, BlueCoat, Sourcefire, CheckPoint, MTA Security, CCNA Security, CompTIA Security, ISO 27000, ISACA, EC-Council, Offensive Security, OSCP

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