

Foreword

The content of this book presents the state-of-the-art and the latest advances in some of the most important topics in the field of computer and network security. The book is focused on solutions for architectures and protocols for secure information technology infrastructures. Thus, it covers the main aspects that a researcher or an information technology consultant has to deal with when a secure information technology infrastructure has to be designed or developed. The collection of chapters included in this book is interesting not only as support material for any network security course but also as reference material for engineers and professionals. The topics covered in this book include analysis of the state-of-the-art of security and privacy in cloud computing, certified electronic mail systems, and security issues in Mobile IPv6 and DNS security in IPv6 as well as new cryptographic algorithms and security protocols for encryption in wireless sensor networks and secure voting. The book also presents new solutions for dealing with malware and intrusions, new architectures for identity management and securing XML, and the results of projects and real deployed secure information technology infrastructures such as the Webinos project and the Austrian identity ecosystem. For this reason, this book is fundamental reading for those who are interested in exploring recent advances in the field of network security.

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