Graeme Proudler
Liqun Chen
Chris Dalton

Trusted Computing Platforms

TPM2.0 in Context

Springer

Trusted Computing Platforms Tpm2 0 In Context

Steven L. Kinney

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Information and Communication Technology for Intelligent Systems Tomonobu Senjyu,Parikshit N. Mahalle,Thinagaran Perumal,Amit Joshi,2020-10-29 This book gathers papers addressing state of the art research in all areas of information and communication technologies and their applications in intelligent computing cloud storage data mining and software analysis It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems which was held in Ahmedabad India Divided into two volumes the book discusses the fundamentals of various data analysis techniques and algorithms making it a valuable resource for researchers and practitioners alike

Information Systems Security and Privacy Gabriele Lenzini,Paolo Mori,Steven Furnell,2025-07-21 This book constitutes the refereed post proceedings of the 9th and 10th International Conference on Information Systems Security and Privacy ICISSP 2023 and 2024 held in Lisbon Portugal and in Rome Italy during February 22 24 2023 and February 26 28 2024 respectively The 15 full papers included in this book were carefully reviewed and selected from 285 submissions These papers have been organized under the following topical sections Management and operations Applications and services and Technologies and foundations *EU Internet Law in the Digital Era* Tatiana-Eleni Synodinou,Philippe Jougleux,Christiana Markou,Thalia Prastitou,2019-10-18 The book provides a detailed overview and analysis of important EU Internet regulatory challenges currently found in various key fields of law directly linked to the Internet such as information technology consumer protection personal data e commerce and copyright law In addition it aims to shed light on the content and importance of various pending legislative proposals in these fields and of the Court of Justice of the European Union s recent case law in connection with solving the different problems encountered The book focuses on challenging legal questions that have not been sufficiently analyzed while also presenting original thinking in connection with the regulation of emerging legal questions As such it offers an excellent reference tool for researchers policymakers judges practitioners and law

students with a special interest in EU Internet law and regulation **Digital Manufacturing** Chandrakant D. Patel,Chun-Hsien Chen,2023-12-01 Digital Manufacturing Key Elements of a Digital Factory explains the different devices and agents at the factory floor level that are driving the digital manufacturing revolution including autonomous robots process automation artificial intelligence and cyber physical systems Individual chapters explore the fundamentals and benefits of major digital manufacturing tools including robotics the industrial internet of things digital twins edge security knowledge discovery service centric production and related supply chain strategies Real world case studies from industry are provided throughout to show how these work in practice In addition to learning about individual technologies readers will discover how they are integrating to drive the digital transformation of manufacturing ecosystem Final sections present new business models working towards sustainable net zero operations and economy Helps produce the T shaped engineers needed in today s digital manufacturing age by providing carefully selected foundational information from a range of disciplines Includes important coverage of cybersecurity models and analysis Draws on industry best practice to explain how to implement cutting edge technologies successfully *Trusted Platform Module Basics* Steven L. Kinney,2006-09-13 Clear practical tutorial style text with real world applications First book on TPM for embedded designers Provides a sound foundation on the TPM helping designers take advantage of hardware security based on sound TCG standards Covers all the TPM basics discussing in detail the TPM Key Hierarchy and the Trusted Platform Module specification Presents a methodology to enable designers and developers to successfully integrate the TPM into an embedded design and verify the TPM s operation on a specific platform This sound foundation on the TPM provides clear practical tutorials with detailed real world application examples The author is reknowned for training embedded systems developers to successfully implement the TPM worldwide *A Practical Guide to TPM 2.0* Will Arthur,David Challener,2015-01-28 A Practical Guide to TPM 2 0 Using the Trusted Platform Module in the New Age of Security is a straight forward primer for developers It shows security and TPM concepts demonstrating their use in real applications that the reader can try out Simply put this book is designed to empower and excite the programming community to go out and do cool things with the TPM The approach is to ramp the reader up quickly and keep their interest A Practical Guide to TPM 2 0 Using the Trusted Platform Module in the New Age of Security explains security concepts describes the TPM 2 0 architecture and provides code and pseudo code examples in parallel from very simple concepts and code to highly complex concepts and pseudo code The book includes instructions for the available execution environments and real code examples to get readers up and talking to the TPM quickly The authors then help the users expand on that with pseudo code descriptions of useful applications using the TPM *Intel® Trusted Execution Technology for Server Platforms* William Futral,James Greene,2013-09-23 This book guides the server administrator datacenter manager in enabling the technology as well as establishing a launch control policy that he can use to customize the server s boot process to fit the datacenter s requirements This book explains how the OS typically a Virtual

Machine Monitor or Hypervisor and supporting software can build on the secure facilities afforded by Intel TXT to provide additional security features and functions It provides examples how the datacenter can create and use trusted pools

Trusted Platform Modules Ariel Segall,2016-11-23 This book describes the primary uses for Trusted Platform Modules TPMs and practical considerations such as when TPMs can and should be used when they shouldn t be what advantages they provide and how to actually make use of them with use cases and worked examples of how to implement these use cases on a real system **TPM (Trusted Platform Module) als Kern von Trusted Computing** ,2014 *A Practical Guide to TPM 2.0* Will Arthur,David Challener,Kenneth Goldman,2015 A Practical Guide to TPM 2 0 Using the Trusted Platform Module in the New Age of Security is a straight forward primer for developers It shows security and TPM concepts demonstrating their use in real applications that the reader can try out Simply put this book is designed to empower and excite the programming community to go out and do cool things with the TPM The approach is to ramp the reader up quickly and keep their interest A Practical Guide to TPM 2 0 Using the Trusted Platform Module in the New Age of Security explains security concepts describes the TPM 2 0 architecture and provides code and pseudo code examples in parallel from very simple concepts and code to highly complex concepts and pseudo code The book includes instructions for the available execution environments and real code examples to get readers up and talking to the TPM quickly The authors then help the users expand on that with pseudo code descriptions of useful applications using the TPM **Developing and Securing the Cloud** Bhavani Thuraisingham,2013-10-28 Although the use of cloud computing platforms and applications has expanded rapidly most books on the subject focus on high level concepts There has long been a need for a book that provides detailed guidance on how to develop secure clouds Filling this void Developing and Securing the Cloud provides a comprehensive overview of cloud computing t **Specification of a Trusted Computing Base (TCB).** ,1979 A Trusted Computing Base TCB is the totality of access control mechanisms for an operating system A TCB should provide both a basic protection environment and the additional user services required for a trustworthy turnkey system The basic protection environment is equivalent to that provided by a security kernel the user services are analogous to the facilities provided by trusted processes in kernel based systems This report documents the performance design and development requirements for a TCB for a general purpose operating system The information in this report is made available to stimulate technical discussion among industry and government personnel **Preliminary Analysis of a Trusted Platform Module (TPM) Initialization Process** ,2007 As distributed system architectures such as peer to peer grid computing and MANET become more popular there is an increasing need for robust and scalable mechanisms to establish trust between entities The Trusted Platform Module TPM provides for the possibility to establish trust at the hardware level for commercial hardware While work has been done to leverage TPMs for Digital Rights Management DRM and other schemes application of TPMs for robust identification and authentication in a MANET or other distributed environment have not been addressed This research provides a simple

analysis on the applicability of leveraging TPMs for enhanced computer security in today s military environment A military convoy using laptops in a MANET is used as a hypothetical concept of operations The problem of TPM initialization of a laptop in particular at a depot prior to deployment is addressed The initialization steps that must be performed before using a TPM in any deployment have been studied and described and suggestions are provided to address possible DoD concerns in using this technology **Decentralizing Trust** Safwan Mahmud Khan,University of Texas at Dallas. Graduate Program in Computer Science,2013 Experiments demonstrate that each paradigm is an effective strategy for realizing stronger security in cloud computing frameworks at modest overheads through reducing or shifting the trusted computing base

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Table of Contents Trusted Computing Platforms Tpm2 0 In Context

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Pelobatidae - European Spadefoot Toad Family - Apr 21, 2017 — The family Pelobatidae is the European Spadefoot toads but they aren't just found in Europe, they are also found in Asia and Northern Africa.