

SPRINGER BRIEFS IN COMPUTER SCIENCE

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Bootstrapping Trust in Modern Computers



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Bootstrapping Trust In Modern Computers Springerbriefs In Computer Science

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Bootstrapping Trust In Modern Computers Springerbriefs In Computer Science:

Bootstrapping Trust in Modern Computers Bryan Parno,Jonathan M. McCune,Adrian Perrig,2011-08-27 Trusting a computer for a security sensitive task such as checking email or banking online requires the user to know something about the computer s state We examine research on securely capturing a computer s state and consider the utility of this information both for improving security on the local computer e g to convince the user that her computer is not infected with malware and for communicating a remote computer s state e g to enable the user to check that a web server will adequately protect her data Although the recent Trusted Computing initiative has drawn both positive and negative attention to this area we consider the older and broader topic of bootstrapping trust in a computer We cover issues ranging from the wide collection of secure hardware that can serve as a foundation for trust to the usability issues that arise when trying to convey computer state information to humans This approach unifies disparate research efforts and highlights opportunities for additional work that can guide real world improvements in computer security *Security Protocols XXIII* Bruce Christianson,Petr Švenda,Vashek Matyas,James Malcolm,Frank Stajano,Jonathan Anderson,2015-11-24 This book constitutes the thoroughly refereed post workshop proceedings of the 23rd International Workshop on Security Protocols held in Cambridge UK in March April 2015 After an introduction the volume presents 18 revised papers each followed by a revised transcript of the presentation and ensuing discussion at the event The theme of this year s workshop is Information Security in Fiction and in Fact *Trust in Technology: A Socio-Technical Perspective* Karen Clarke,Gillian Hardstone,Mark Rouncefield,Ian Sommerville,2009-09-03 Computer systems can only deliver benefits if functionality users and usability are central to their design and deployment This book encapsulates work done in the DIRC project Interdisciplinary Research Collaboration in Dependability bringing together a range of disciplinary approaches computer science sociology and software engineering to produce a socio technical systems perspective on the issues surrounding trust in technology in complex settings **Wireless Next Generation Networks** Michael G. Harvey,2014-11-06 This SpringerBrief proposes a trust model motivated by virtue epistemology addressing the need for a more efficient and flexible trust model for wireless next generation networks This theory of trust simplifies the computation and communication overhead of strictly cognitive computational models of trust Both the advantages and the challenges of virtue based trust models are discussed This brief offers new research and a general theory of rationality that enables users to interpret trust and reason as complementary mechanisms that guide our rational conduct at two different epistemic levels The presented model of human social interaction is designed for the highly dynamic and unstructured environment of the mobile Internet and wireless next generation networks Wireless Next Generation Networks A Virtue Based Trust Model targets network engineers cognitive scientists AI researchers philosophers and social scientists Advanced level students studying computer science electrical engineering and social science will also find the interdisciplinary perspective useful *Trustworthy Cyber-Physical Systems*

Nazila Gol Mohammadi, 2019-08-03 Trustworthiness is a key success factor in the acceptance and adoption of cyber physical systems. The author first discusses various existing definitions of trust and trustworthiness and extends them to cyber physical systems. A comprehensive framework is proposed including methods that cover all phases of development requirements engineering, system design, trustworthiness evaluation, run time maintenance, and evidence based assurance. To support a smooth integration of the methods into development projects, these methods are provided in the form of so called capability patterns. A running example from the ambient assisted living domain is used to demonstrate the application of the methods. About the Author: Nazila Gol Mohammadi is currently working as an associate researcher at paluno The Ruhr Institute for Software Technology in Essen, Germany. Her research interests include software engineering requirements engineering, digitalization, cloud computing, cyber physical systems, and trustworthiness of software systems. **Trust, Privacy and Security in Digital Business** Stefanos Gritzalis, Edgar R. Weippl, Gabriele Kotsis, A Min Tjoa, Ismail Khalil, 2020-09-13 This book constitutes the refereed proceedings of the 17th International Conference on Trust Privacy and Security in Digital Business TrustBus 2020 held in Bratislava, Slovakia, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 11 full and 4 short papers presented were carefully reviewed and selected from 28 submissions. The papers are organized in the following topical sections: blockchain, cloud security, hardware economics, privacy, human aspects, privacy, privacy and machine learning, trust. **Trust Networks for Recommender Systems** Patricia Victor, Chris Cornelis, Martine De Cock, 2011-05-03 This book describes research performed in the context of trust, distrust, propagation, and aggregation and their use in recommender systems. This is a hot research topic with important implications for various application areas. The main innovative contributions of the work are a new bilattice based model for trust and distrust, allowing for ignorance and inconsistency, proposals for various propagation and aggregation operators including the analysis of mathematical properties. Evaluation of these operators on real data, including a discussion on the data sets and their characteristics. A novel approach for identifying controversial items in a recommender system. An analysis on the utility of including distrust in recommender systems. Various approaches for trust based recommendations, a o base on collaborative filtering, an in depth experimental analysis, and proposal for a hybrid approach. Analysis of various user types in recommender systems to optimize bootstrapping of cold start users. **Trust and Trustworthy Computing** Michael Huth, N. Asokan, Srdjan Capkun, Ivan Flechais, Lizzie Coles-Kemp, 2013-06-12 This book constitutes the refereed proceedings of the 6th International Conference on Trust and Trustworthy Computing TRUST 2013 held in London, UK, in June 2013. There is a technical and a socio economic track. The full papers presented, 14 and 5 respectively, were carefully reviewed from 39 in the technical track and 14 in the socio economic track. Also included are 5 abstracts describing ongoing research. On the technical track, the papers deal with issues such as key management, hypervisor usage, information flow analysis, trust in network measurement, random number generators, case studies that evaluate trust based methods in practice, simulation.

environments for trusted platform modules trust in applications running on mobile devices trust across platform Papers on the socio economic track investigated how trust is managed and perceived in online environments and how the disclosure of personal data is perceived and some papers probed trust issues across generations of users and for groups with special needs

Bootstrapping Trust in Service Oriented Architecture Mahantesh Hosamani,2007 Privately and Publicly Verifiable Computing Techniques Denise Demirel,Lucas Schabhüser,Johannes Buchmann,2017-04-05 This book presents the first comprehensive overview of various verifiable computing techniques which allow the computation of a function on outsourced data to be delegated to a server It provides a brief description of all the approaches and highlights the properties each solution achieves Further it analyzes the level of security provided how efficient the verification process is who can act as a verifier and check the correctness of the result which function class the verifiable computing scheme supports and whether privacy with respect to the input and or output data is provided On the basis of this analysis the authors then compare the different approaches and outline possible directions for future work The book is of interest to anyone wanting to understand the state of the art of this research field

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or staphylococcus considering that their symptoms (rash, peeling skin ... The Case Of The Newborn Nightmare Case Study.docx The case of the newborn nightmare case study Part 1 1.Dr. Maddison is facing a number of challenges. First, he has three very sick babies in his clinic. SOLUTION: The Case of the Newborn Nightmare The specimens were taken from some unusual skin lesions on three of our infants. I know that we need at least a routine culture and sensitivity with Gram stain. The Case of the Newborn Nightmare: Part V Nov 3, 2015 — Question: The Case of the Newborn Nightmare: Part V The nasal swabs taken from the hospital staff can be analyzed to determine the strain of S. Case Study- The Case of the Newborn Nightmare 1.what challenges Dr Maddison is facing? 2. What information does he have so far about the infection? 3. What are some possible causes of skin infections? List ... Chapter 21 Flashcards (review the NEWBORN NIGHTMARE case study). Exfoliative toxin from Staph. aureus. Fever, red raised blistering skin, peeling skin. Culture baby's nose and ... CASE TEACHING NOTES for “The Case of the Newborn ... by A Wade — CASE TEACHING NOTES for “The Case of the Newborn Nightmare” by Andrea Wade. Page 3. ANSWER KEY. Answers to the questions posed in the case ... Solved Newborn nightmare by Andrea Wade, what are the Oct 5, 2019 — Newborn nightmare is a case study done by Dr Andrea wade. Case study focuses on development of mysterious rashes among newborns. The Case of the Newborn Nightmare Oct 10, 2001 — Three newborns left in the care of "Dr. Mark Maddison" have developed a mysterious rash. Under increasing pressure from hospital ... Lab Practical Flashcards In regard to the "Case of the Newborn Nightmare," what was the name of the bacteria that caused the whole neighborhood to be sick? What is the common source ...