The book was found

Operating System Security (Synthesis Lectures On Information Security, Privacy, And Trust)

Morgan & Claypool publishers
Operating System Security
Trent Jaeger
SYNTHESIS LECTURES ON INFORMATION SECURITY, PRIVACY, AND TRUST Ravi Sandhu, Series Editor



Synopsis

Operating systems provide the fundamental mechanisms for securing computer processing. Since the 1960s, operating systems designers have explored how to build "secure" operating systems operating systems whose mechanisms protect the system against a motivated adversary. Recently, the importance of ensuring such security has become a mainstream issue for all operating systems. In this book, we examine past research that outlines the requirements for a secure operating system and research that implements example systems that aim for such requirements. For system designs that aimed to satisfy these requirements, we see that the complexity of software systems often results in implementation challenges that we are still exploring to this day. However, if a system design does not aim for achieving the secure operating system requirements, then its security features fail to protect the system in a myriad of ways. We also study systems that have been retrofit with secure operating system features after an initial deployment. In all cases, the conflict between function on one hand and security on the other leads to difficult choices and the potential for unwise compromises. From this book, we hope that systems designers and implementors will learn the requirements for operating systems that effectively enforce security and will better understand how to manage the balance between function and security. Table of Contents: Introduction / Access Control Fundamentals / Multics / Security in Ordinary Operating Systems / Verifiable Security Goals / Security Kernels / Securing Commercial Operating Systems / Case Study: Solaris Trusted Extensions / Case Study: Building a Secure Operating System for Linux / Secure Capability Systems / Secure Virtual Machine Systems / System Assurance

Book Information

Paperback: 220 pages Publisher: Morgan and Claypool Publishers; 1 edition (October 7, 2008) Language: English ISBN-10: 1598292129 ISBN-13: 978-1598292121 Product Dimensions: 7.5 x 0.5 x 9.2 inches Shipping Weight: 1.2 pounds (View shipping rates and policies) Average Customer Review: 4.5 out of 5 stars Â See all reviews (2 customer reviews) Best Sellers Rank: #577,003 in Books (See Top 100 in Books) #92 in Books > Computers & Technology > Programming > APIs & Operating Environments > Operating Systems Theory #145 in Books > Computers & Technology > Certification > CompTIA #1432 in Books > Computers &

Customer Reviews

Great book on the history, fundamentals and current implementations of secure operating systems. I picked this book up due to a mention on the grsecurity homepage and I'm very glad I did, it's very through and provides excellent references if you still have an appetite for more information.

Good

Download to continue reading...

Operating System Security (Synthesis Lectures on Information Security, Privacy, and Trust) Trust: Mastering the 4 Essential Trusts: Trust in God, Trust in Yourself, Trust in Others, Trust in Life Windows 10: User Guide and Manual 2016 - Everything You Need To Know About Microsoft's Best Operating System! (Windows 10 Programming, Windows 10 Software, Operating System) Linux: For Beginners - Step By Step User Manual To Learning The Basics Of Linux Operating System Today! (Ubuntu, Operating System) Online Privacy and Social Media (Privacy in the Online World) Healthcare Information Security and Privacy Transactional Memory, 2nd Edition (Synthesis Lectures on Computer Architecture) Full-Text (Substring) Indexes in External Memory (Synthesis Lectures on Data Management) Spoken Dialogue Systems (Synthesis Lectures on Human Language Technologies) Natural Language Processing for Social Media (Synthesis Lectures on Human Language Technologies) Pocket Guide to the Operating Room (Pocket Guide to Operating Room) Unix, Solaris and Linux: A Practical Security Cookbook: Securing Unix Operating System Without Third-Party Applications Information Insecurity: Privacy Under Siege (Nonfiction - Young Adult) ERNST & YOUNG AUDIT, CONTROL, SECURITY FEATURES OF AIX OPERATING SYSTEM Social Security & Medicare Facts 2016: Social Security Coverage, Maximization Strategies for Social Security Benefits, Medicare/Medicaid, Social Security Taxes, Retirement & Disability, Ser Geeks On Call Security and Privacy: 5-Minute Fixes The Feynman Lectures on Physics, Vol. II: The New Millennium Edition: Mainly Electromagnetism and Matter (Feynman Lectures on Physics (Paperback)) (Volume 2) Family Trusts: A Guide for Beneficiaries, Trustees, Trust Protectors, and Trust Creators (Bloomberg) Trust Agents: Using the Web to Build Influence, Improve Reputation, and Earn Trust Lectures on Calvinism, The Stone Lectures of 1898

<u>Dmca</u>