

# Applied Approach to Privacy and Security for the Internet of Things

Part of the Advances in Information Security, Privacy, and Ethics Book Series

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## Description:

From transportation to healthcare, IoT has been heavily implemented into practically every professional industry, making these systems highly susceptible to security breaches. Because IoT connects not just devices but also people and other entities, every component of an IoT system remains vulnerable to attacks from hackers and other unauthorized units. This clearly portrays the importance of security and privacy in IoT, which should be strong enough to keep the entire platform and stakeholders secure and smooth enough to not disrupt the lucid flow of communication among IoT entities.

**Applied Approach to Privacy and Security for the Internet of Things** is a collection of innovative research on the methods and applied aspects of security in IoT-based systems by discussing core concepts and studying real-life scenarios. While highlighting topics including malware propagation, smart home vulnerabilities, and bio-sensor safety, this book is ideally designed for security analysts, software security engineers, researchers, computer engineers, data scientists, security professionals, practitioners, academicians, and students seeking current research on the various aspects of privacy and security within IoT.



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## Topics Covered:

Bio-Sensor Safety

Cyber Laws

Industry Automation Risks

Malware Propagation

Middleware Systems

Mobile Security Infrastructure

Nano-Sensor Security

Smart Home Vulnerabilities

Trust Models

Ubiquitous Computing

**Subject:** Security and Forensics

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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