



# Network Security Auditing (Cisco Press Networking Technology)

By Chris Jackson



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This complete new guide to auditing network security is an indispensable resource for security, network, and IT professionals, and for the consultants and technology partners who serve them.

Cisco network security expert Chris Jackson begins with a thorough overview of the auditing process, including coverage of the latest regulations, compliance issues, and industry best practices. The author then demonstrates how to segment security architectures into domains and measure security effectiveness through a comprehensive systems approach.

Network Security Auditing thoroughly covers the use of both commercial and open source tools to assist in auditing and validating security policy assumptions. The book also introduces leading IT governance frameworks such as COBIT, ITIL, and ISO 17799/27001, explaining their values, usages, and effective integrations with Cisco security products.

This book arms you with detailed auditing checklists for each domain, realistic design insights for meeting auditing requirements, and practical guidance for using complementary solutions to improve any company's security posture.

- Master the five pillars of security auditing: assessment, prevention, detection, reaction, and recovery.
- Recognize the foundational roles of security policies, procedures, and standards.
- Understand current laws related to hacking, cracking, fraud, intellectual property, spam, and reporting.
- Analyze security governance, including the roles of CXOs, security directors, administrators, users, and auditors.
- Evaluate people, processes, and technical security controls through a system-based approach.
- Audit security services enabled through Cisco products.
- Analyze security policy and compliance requirements for Cisco networks.
- Assess infrastructure security and intrusion prevention systems.

- Audit network access control and secure remote access systems.
- Review security in clients, hosts, and IP communications.
- Evaluate the performance of security monitoring and management systems.

This security book is part of the Cisco Press Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end, self-defending networks.

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### Editorial Review

#### From the Back Cover

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#### About the Author

**Christopher L. Jackson**, CCIE No. 6256, is a security technical solutions architect in the U.S. Channels organization with Cisco and is focused on developing security consulting practices in the Cisco partner community. Throughout his career in internetworking, Chris has built secure networks that map to a strong security policy for a large number of organizations including UPS, GE, and Sprint. Chris is an active speaker on security for Cisco through TechwiseTV, conferences, and web casts. He has authored numerous whitepapers and is responsible for a number of Cisco initiatives to build stronger security partners through security practice building.

Chris is a highly certified individual with dual CCIEs (Routing and Switching & Security), CISSP, ISA, seven SANS GIAC certifications (GSNA, GCIH, GCFW, GCIA, GCUX, GCWN, and GSEC), and ITIL V3. Chris also holds a bachelors degree in business administration from McKendree College. Residing in Bradenton, Florida, Chris enjoys tinkering with his home automation system and playing with his ever-

growing collection of electronic gadgets. His wife Barbara and two children Caleb and Sydney are the joy of his life and proof that not everything has to plug into a wall outlet to be fun.

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