



Network Security with NetFlow and IPFIX: Big Data Analytics for Information Security (Networking Technology)

By Omar Santos

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A comprehensive guide for deploying, configuring, and troubleshooting NetFlow and learning big data analytics technologies for cyber security

Today's world of network security is full of cyber security vulnerabilities, incidents, breaches, and many headaches. Visibility into the network is an indispensable tool for network and security professionals and Cisco NetFlow creates an environment where network administrators and security professionals have the tools to understand who, what, when, where, and how network traffic is flowing.

Network Security with NetFlow and IPFIX is a key resource for introducing yourself to and understanding the power behind the Cisco NetFlow solution. Omar Santos, a Cisco Product Security Incident Response Team (PSIRT) technical leader and author of numerous books including the CCNA Security 210-260 Official Cert Guide, details the importance of NetFlow and demonstrates how it can be used by large enterprises and small-to-medium-sized businesses to meet critical network challenges. This book also examines NetFlow's potential as a powerful network security tool.

Network Security with NetFlow and IPFIX explores everything you need to know to fully understand and implement the Cisco Cyber Threat Defense Solution. It also provides detailed configuration and troubleshooting guidance, sample configurations with depth analysis of design scenarios in every chapter, and detailed case studies with real-life scenarios.

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- NetFlow Commercial and Open Source Software Packages
- Big Data Analytics tools and technologies such as Hadoop, Flume, Kafka, Storm, Hive, HBase, Elasticsearch, Logstash, Kibana (ELK)
- Additional Telemetry Sources for Big Data Analytics for Cyber Security
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Editorial Review

About the Author

Omar Santos is a Principal Engineer in the Cisco Product Security Incident Response Team (PSIRT) part of Cisco's Security Research and Operations. He mentors and leads engineers and incident managers during the investigation and resolution of security vulnerabilities in all Cisco products. Omar has been working with information technology and cyber security since the mid-1990s. Omar has designed, implemented, and supported numerous secure networks for Fortune 100 and 500 companies and for the U.S. government. Prior to his current role, he was a Technical Leader within the World Wide Security Practice and the Cisco Technical Assistance Center (TAC), where he taught, led, and mentored many engineers within both organizations.

Omar is an active member of the security community, where he leads several industrywide initiatives and standard bodies. His active role helps businesses, academic institutions, state and local law enforcement agencies, and other participants that are dedicated to increasing the security of the critical infrastructure.

Omar is the author of several books and numerous whitepapers, articles, and security configuration guidelines and best practices. He has also delivered numerous technical presentations at many conferences and to Cisco customers and partners, in addition to many C-level executive presentations to many organizations. Omar is the author of the following Cisco Press books:

- *CCNA Security 210-260 Official Cert Guide*, ISBN-13: 9781587205668
- *Deploying Next-Generation Firewalls Live Lessons*, ISBN-13: 9781587205705
- *Cisco's Advanced Malware Protection (AMP)*, ISBN-13: 9781587144462
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