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2nd Palo Alto Networks® Special Edition

Cloud Security & Compliance

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Embrace DevSecOps

Get started with cloud-native application security

Use a Zero Trust Strategy

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BY PALO ALTO NETWORKS

Lawrence Miller, CISSP
Petros Koutoupis

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Palo Alto Networks is the world's cybersecurity leader. Our next-gen security solutions, expert services, and industry-leading threat intelligence empower organizations across every sector to transform with confidence. With Prisma® Cloud, Palo Alto Networks delivers the industry's most comprehensive cloud-native application protection platform (CNAPP) with the broadest security and compliance coverage—for applications, data, and the entire cloud-native technology stack—throughout the development lifecycle and across hybrid and multicloud environments. Our integrated approach enables security operations and DevOps teams to stay agile, collaborate effectively, and accelerate secure cloud-native application development.

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Cloud Security & Compliance For Dummies®, Palo Alto Networks 2nd Special Edition

Published by
John Wiley & Sons, Inc.
111 River St.
Hoboken, NJ 07030-5774
www.wiley.com

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ISBN 978-1-119-90416-8 (pbk); ISBN 978-1-119-90417-5 (ebk)

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Publisher's Acknowledgments

Some of the people who helped bring this book to market include the following:

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Production Editor: Saikarthick Kumarasamy

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Introduction

Today, digital technology defines the competitive battleground, and organizations are constantly striving to improve their services with new applications. These organizations are rapidly adopting cloud technologies to keep pace with growing business demands and take advantage of efficiencies and scalability in the cloud. As a result, the traditional corporate perimeter is fading, and mobile workers are driving ever-increasing usage of Software as a Service (SaaS) applications. Organizations today are using a mix of private and public cloud services to gain the cost savings, agility, and speed benefits of the cloud.

As a result of this digital transformation, risk management and data protection are top concerns for organizations migrating to the cloud. IT leaders worry about securing the business. Whether on-premises, in the cloud, or mobile, the entire IT architecture must be secure to preserve the integrity and longevity of the business.

Legacy security tools, policies, and processes designed for traditional data centers and IT operations can't adapt to address SaaS applications or the continuous deployment model and pace of change in the cloud. Although many tools are available for securing the cloud — including native security services from public cloud providers — siloed security products, manual operations, and human errors continue to slow down the business and create risk.

Visibility and control in the cloud are challenging, and cloud environments are complex.

To be successful, organizations need a consistent approach to security that spans all their operating environments, from on-premises data centers to multiple public and private clouds. They need tools and processes that simplify operations through automation driven by machine learning and analytics, and cross-platform capabilities that prevent data breaches across the cloud, data center, and endpoints.