

Hacking Point of Sale: Payment Application Secrets, Threats, and Solutions

By Slava Gomzin

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Must-have guide for professionals responsible for securing credit and debit card transactions

As recent breaches like Target and Neiman Marcus show, payment card information is involved in more security breaches than any other data type. In too many places, sensitive card data is simply not protected adequately. *Hacking Point of Sale* is a compelling book that tackles this enormous problem head-on. Exploring all aspects of the problem in detail - from how attacks are structured to the structure of magnetic strips to point-to-point encryption, and more – it's packed with practical recommendations. This terrific resource goes beyond standard PCI compliance guides to offer real solutions on how to achieve better security at the point of sale.

- A unique book on credit and debit card security, with an emphasis on point-to-point encryption of payment transactions (P2PE) from standards to design to application
- Explores all groups of security standards applicable to payment applications, including PCI, FIPS, ANSI, EMV, and ISO
- Explains how protected areas are hacked and how hackers spot vulnerabilities
- Proposes defensive maneuvers, such as introducing cryptography to payment applications and better securing application code

Hacking Point of Sale: Payment Application Secrets, Threats, and Solutions is essential reading for security providers, software architects, consultants, and other professionals charged with addressing this serious problem.

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Editorial Review

From the Back Cover

Implement bulletproof point of sale security for your payment transactions

Hacking Point of Sale takes a unique look at point of sale security from the viewpoint of your business, not a credit card company. The book provides proven techniques that are designed to help brick-and-mortar merchants properly protect their entire in-store payment infrastructure. The book also includes a POS vulnerability rank calculator to help you perform a risk assessment and security control evaluation as you implement recommendations to improve your existing infrastructure.

- Eliminate breaches in security related to design flaws and physical vulnerabilities
- Use point-to-point encryption to protect your front-end and back-end payment systems
- Close gaps in protection provided by PCI security standards
- Understand the anatomy of a credit card and how payment cards can be compromised
- Explore the most relevant standards for payment application security, including PCI, FIPS, ANSI, EMV, and ISO
- Get practical recommendations on powerful payment application security controls designed to protect against a wide array of common breach attempts

About the Author
Slava Gomzin is Director of Information Security at PCCI (Parkland Center for Clinical Innovation). Prior to joining PCCI, Slava was a security and payments technologist at Hewlett-Packard, where he helped create products that are integrated into modern payment processing ecosystems using the latest security and payments technologies. Before HP, he worked as a security architect, corporate product security officer, R&D and application security manager, and development team leader at Retalix, a Division of NCR Retail. As PCI ISA, he focused on security and PA-DSS, PCI DSS, and PCI P2PE compliance of POS systems, payment applications, and gateways. Before moving into security, Slava worked in R&D on design and implementation of new products including next-generation POS systems and various interfaces to payment gateways and processors. Slava currently holds CISSP, ECSP, and Security+ certifications. He blogs about information security and technology at gomzin.com.

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