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# VISA Payments Security Training Program

1 – 5 March 2027
Cape Town ( South Africa)



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## Introduction

In a digital world increasingly reliant on electronic payments, the security of financial transactions has become a top priority for organizations of all kinds.
VISA stands out as a leading player in this field, providing a global infrastructure that enables institutions to process millions of transactions daily with utmost security.
However, with the growing threat landscape, it has become crucial to understand the mechanisms of VISA Payments Security and the latest updates in this domain.
This specialized training program is designed to address the needs of executives, team leaders, and payment system, compliance, and governance managers in government and private sector organizations across the Middle East and North Africa.
Whether you work in banking, oil and gas, telecommunications, or even project and technology management, this program will equip you with practical tools to understand risks and manage them effectively according to VISA standards.
You will learn how to build a secure payment system, identify emerging threats, and ensure compliance with PCI-DSS standards, directly impacting your organization's performance and digital reputation.

## Course Objectives

- Understand the infrastructure of VISA's payment system and how it works.
- Identify common security risks in the digital payments environment.
- Analyze real-world security incidents and lessons learned.
- Apply global security standards to online payment gateways.
- Explore VISA's tools for early threat detection and response.
- Develop a tailored security plan for your organization's payment systems.
- Assess your organization's compliance with PCI-DSS standards.
- Build data-driven defensive strategies and risk analysis approaches.

## Course Outlines

### Day 1: Introduction to VISA Payments Security

- Overview of VISA's global payments infrastructure.
- Components of electronic payment architecture and processing centers.
- Core principles of payment security.
- Traditional vs. modern cybersecurity threats.
- Regulatory frameworks for payment security in the MENA region.
- Case study: The impact of data breaches on companies.



## Day 2: Understanding Modern Security Threats

- Malware attacks on payment gateways.
- Data theft from payment cards and point-of-sale systems.
- Online fraud and mobile payment fraud.
- Threat modeling in the banking sector.
- Exploring digital attack chains.
- Real-world case studies of payment system breaches.

## Day 3: VISA's Security Tools and Standards

- In-depth look at VISA's tools like Risk Manager and Advanced Authorization.
- Exploring PCI-DSS standards: what's required and how to comply.
- Assessing network and infrastructure security.
- Implementing early warning systems and incident response plans.
- Event and incident logging and management within the organization.
- Hands-on exercise: Simulating a real-world breach using practical tools.

## Day 4: Building an Internal Payment Security Framework

- Designing a comprehensive internal payment security plan.
- Data access and control policies.
- Roles and responsibilities across security and technical teams.
- Managing third-party providers and payment partners securely.
- Adopting encryption and multi-factor authentication practices.
- Practical workshop: Developing a realistic security scenario.

## Day 5: Assessment, Compliance, and Continuous Improvement

- How to conduct periodic security assessments for payment systems.
- Metrics and key performance indicators for payment security.
- Achieving and maintaining PCI-DSS compliance.
- Preparing reports for regulators and central banks.
- Developing a business continuity plan for emergencies.
- Final comprehensive exercise simulating a real-world breach scenario.



## Why Attend This Course: Wins & Losses!

- Gain a comprehensive understanding of VISA's security framework.
- Enhance protection of customer and organizational data.
- Improve your organization's readiness to combat cyber threats.
- Strengthen compliance with global standards.
- Access professional tools and best practices from VISA.
- Support sustainable and secure financial operations.
- Equip your team to handle modern digital risks effectively.
- Earn an accredited certification that adds value to your career.

## Conclusion

As digital payments become integral to operations across all sectors, securing VISA Payments is no longer just a regulatory requirement—it's a strategic imperative to protect your organization's reputation and ensure operational continuity.
Through this intensive training, you will gain a powerful combination of theoretical knowledge and practical skills that will enable you to build a robust payment security framework.
The content has been carefully tailored to meet the needs of executives and technical teams alike, covering the latest threats and innovative global solutions.

**Whether you're looking to enhance your own skills or fortify your organization against digital threats, this program is your optimal first step.**

