Le Bonbon Croissant Penetration Test Debrief

Team Finals-15

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Agenda

★ Engagement Overview
★ Evaluation Methods
★ Statistics
★ Compliance and Regulations
★ Key Findings and their Impact
★ Suggestions for Improvements

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Engagement Overview

- ★ Second iteration
- ★ Primary goals
  - ○ Integrity of business process and customer experience systems
  - ○ Customer rewards program
  - ○ E-commerce and payment processing applications
  - ○ Industrial control systems
- ★ Scope
  - ○ Paris warehouse subnet

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Evaluation Methods

- ★ Technical metrics for vulnerability rating - CVSS
  - ○ Considers the impact on availability, integrity and confidentiality
  - ○ Depends on the complexity of carrying out the attack
  - ○ Assigns an empirical score, and an impact class
- ★ Business impact class
  - ○ Low/Medium/High
  - ○ Tailored to LBC's goals and needs

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Statistics
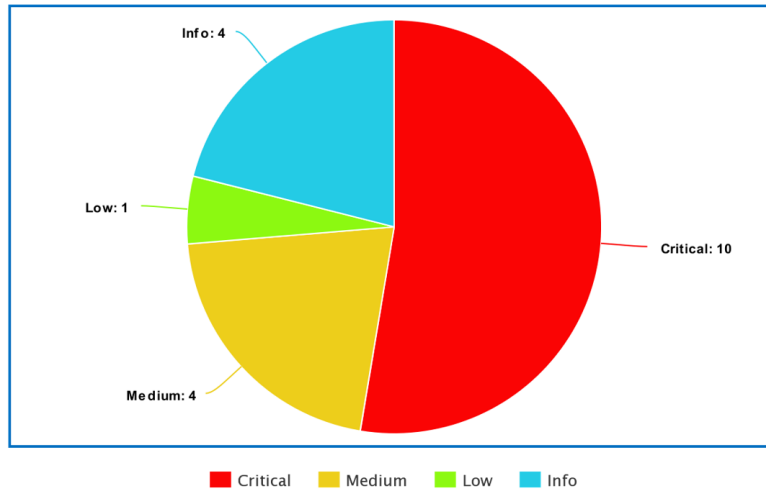
Compliance and Regulations

★ Payment Card Industry Digital Security Standard
★ Data protection regulations based on customer locations
○ General Data Protection Regulation (EU)
○ California Consumer Protection Act
○ Consumer Data Protection Act
○ and more
★ Several violations discovered by our team

Key Findings

★   System misconfigurations
★   Inadequate password management
★   Improper access control settings
★   Deficient network segregation

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Impact

★   Customer data is vulnerable to leakage, unauthorized change
★   Access to business-critical Infrastructure
★   Compliance and regulation violations
★   Reputation and financial losses

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Suggestions for Improvements

★ Address the reported issues - prioritized by impact rating
★ Revisit security policies
★ Assess policy enforcement mechanisms
★ Revise network design

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Thank You for Your attention!

Time for questions!

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