COURSE: SECURITY+ SY0-401

MODULE 4: APPLICATION, DATA AND HOST SECURITY
Overview

• Explain the importance of application security controls and techniques
• Summarize mobile security concepts and technologies
Application Security Controls and Techniques

- Fuzzing
- Secure coding concepts
  - Error and exception handling
  - Input validation
- Cross-site scripting prevention
- Cross-site Request Forgery (XSRF) prevention
Application Security

Application Security Controls and Techniques

- Application configuration baseline (proper settings)
- NoSQL databases vs. SQL databases
- Server-side vs. Client-side validation
- Application patch management
- Application hardening
Mobile Security

Mobile Security Controls and Techniques

- Device security
  - Full device encryption
  - Remote wiping
  - Lockout
  - Screen-locks
  - GPS
  - Application control
  - Storage segmentation
Mobile Security Controls and Techniques

- Application security
  - Key management
  - Credential management
  - Authentication
  - Geo-tagging
  - Encryption
  - Application whitelisting
  - Transitive trust/authentication
Mobile Security

Mobile Security Controls and Techniques

• BYOD concerns
  • Data ownership
  • Support ownership
  • Patch management
  • Antivirus management
  • Forensics
  • Privacy
  • On-boarding/off-boarding
Mobile Security

Mobile Security Controls and Techniques

• BYOD concerns
  • Adherence to corporate policies
  • User acceptance
  • Architecture/infrastructure considerations
  • Legal concerns
  • Acceptable use policy
  • On-board camera/video
THANK YOU