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

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

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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 Controls and Techniques

- Device security
  - Full device encryption
  - Remote wiping
  - Lockout
  - Screen-locks
  - GPS
  - Application control
  - Storage segmentation

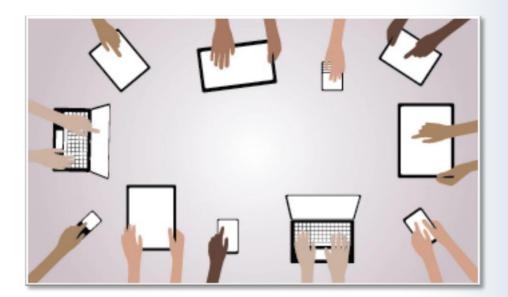## Mobile Security Controls and Techniques

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

Mobile Security Controls and Techniques

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

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