Module 19
Advanced SOA Security

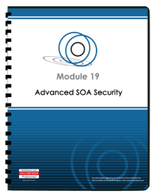
Security Threats & Mechanisms

Security Mechanisms

- encryption — related threats
  - information leakage
  - malicious intermediary
- hashing — related threats
  - information leakage
- digital signatures — related threats
  - information leakage
  - malicious intermediary
- identify and access management (IAM) — related threats
  - insufficient authorization
  - malicious intermediary
- digital certificates — related threats
  - insufficient authorization
  - malicious intermediary
- public key infrastructure (PKI) — related threats
  - insufficient authorization
  - malicious intermediary
- certificate authority (CA) — related threats
  - insufficient authorization
  - malicious intermediary
- single sign-on (SSO) — related threats
  - insufficient authorization
- security token actions — related threats
  - buffer overrun
  - denial of service
  - XML Parser
  - insufficient authorization
- trust brokering — related threats
  - malicious intermediary
- security sessions — related threats
  - denial of service
- security policies — related threats
  - buffer overrun
  - malicious intermediary

Security Threats

- buffer overrun — related mechanisms
  - hashing
  - security token actions
  - security policies
- information leakage
  - XPath injection — related mechanisms
    - encryption
    - hashing
    - digital signatures
  - SQL injection — related mechanisms
    - encryption
    - hashing
    - digital signatures
  - exception generation — related mechanisms
    - encryption
    - hashing
    - digital signatures
- XML Parser — related mechanisms
  - security claims
- malicious intermediary — related mechanisms
  - encryption
  - trust brokering
  - security policies
  - digital signatures
  - identify and access management (IAM)
  - digital certificates
  - certificate authority (CA)
- denial of service — related mechanisms
  - certificate authority
  - security claims
  - security sessions
  - single sign-on
- insufficient authorization — related mechanisms
  - encryption
  - trust brokering
  - security policies
  - digital signatures
  - identify and access management (IAM)
  - digital certificates



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