Cloud Application Security for CCSP®

Domain Summary

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Exam Content Outline

**Application security training**

Secure Software Development Lifecycle

Cloud Software Assurance and Validation

Use Verified Secure Software

Cloud Application Architecture

Identity and Access Management Solutions
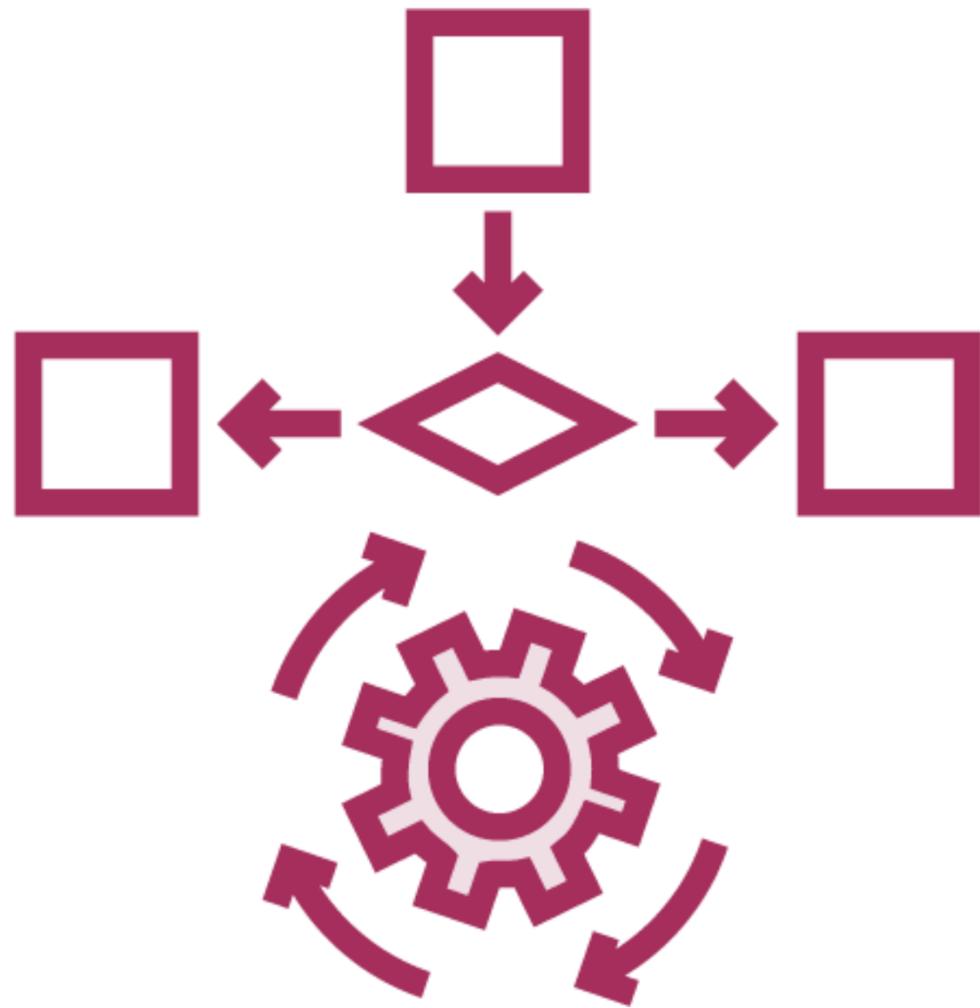
Federated Identity

Single Sign-on

Multi-factor Authentication

Cloud Access Security Broker

Secrets Management

Key Points

Design Secure
Applications

Train Developers and
Users

Operate Secure
Applications

Application Security Goals

Operate securely in a risk-laden environment

- Know common cloud threats
- Build secure software
- Test thoroughly

Application Security Concerns

Access Control

APIs and Third-party software

Address business requirements

Correct configuration

Data Threats and Security
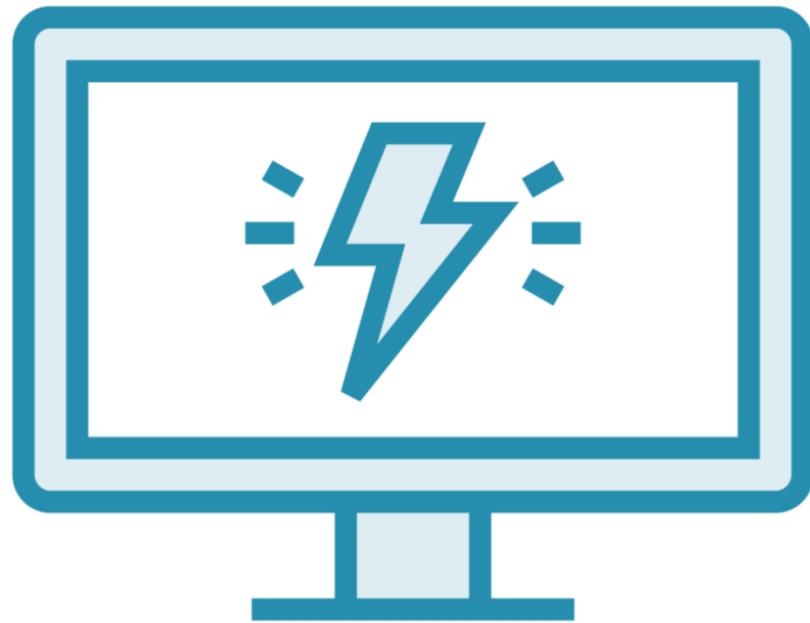
STRIDE

OWASP

Testing

Key Points
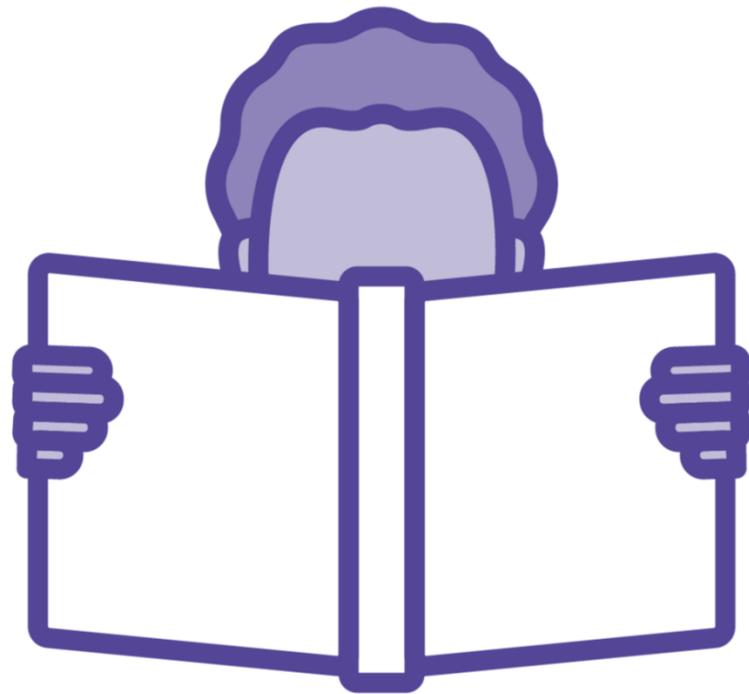
Build software that expects to be attacked

Security must be 'baked-in' not added later

Test for normal and abnormal operations

Deploy in a secure manner

Next Steps

✓ **Do the self-assessment questions**
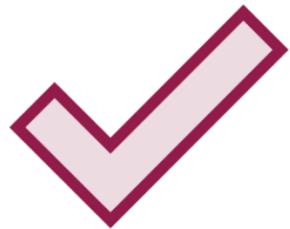
✓ **Think about why one answer may be better than another**
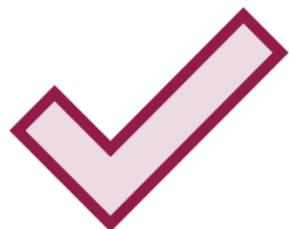
✓ **Review the references, important terminology and exam essentials provided in the Study Guide**
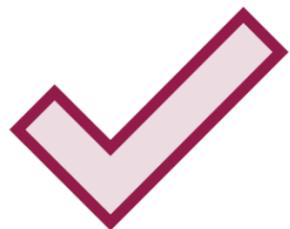
✓ **Proceed to the next course – Cloud Security Operations**