

AWS Certified Solutions Architect: Associate - 13.0 AWS Risk and Compliance

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Title: AWS Risk and Compliance

Subtitle: AWS Certified Solutions Architect: Associate

13.1 AWS Risk and Compliance

- [Compliance in AWS](#)
 - [Resources](#)
 - Shared Responsibility (Diagram)
 - AWS Controls may need to be supplemented
 - Web Application Firewall
 - Intrusion Detection/Prevention System
 - Encryption
 - Governance
 - Entirely the customer's responsibility
 - Recommendation:
 1. Take a holistic approach
 2. Design controls to meet compliance requirements
 3. Identify and document 3rd party controls
 4. Verify all control objectives are met
- Evaluating and Integrating AWS Controls
 - AWS Provides IT control information 2 ways:
 - Specific Control Definition
 - AWS publishes a Service Organization Controls 1 (SOC 1) Type II report
 - SOC1 is an in-depth audit of control design and operating effectiveness
 - Type 2 tests for adequacy of design (type 1) and operating effectiveness (type 2)
 - Testing performed by an external auditor
 - General Control Standard Compliance
 - ISO 27001
 - Payment Card Industry (PCI) Data Security Standard (DSS)
 - Federal Information Security Management Act (FISMA)
 - [AWS Reports](#)
- [AWS Risk and Compliance Program](#)
 - Three core areas
 - Risk Management
 - Internal and external risk assessments are performed
 - Primarily based on COBIT
 - Control Objectives for Information and Related Technology
 - Public facing IPs are regularly scanned
 - Does not include customer endpoints
 - Customers must request permission to run their own scans
 - Control Environment
 - AWS has a framework for planning, executing, and controlling business operations
 - Part of their onboarding process for new employees
 - Information Security
 - Internal security program to provide confidentiality, integrity and availability
 - Publishes [security whitepapers](#)
 - Recommended reading prior to exam
- [AWS Reports, Certifications and Third-Party Attestations](#)