

AWS SCS-C03 Exam Preparation

AWS SCS-C03 Security Specialty. IAM, KMS, CloudTrail, GuardDuty, and security automation.

[IT Certifications](#) Instructor: Brian Taylor • 5 sections • 46 lessons • 13.75h total

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About this course

This course prepares you for the AWS SCS-C03 Security Specialty exam. We cover IAM, KMS, CloudTrail, GuardDuty, and security automation on AWS. You will work through hands-on labs, real security scenarios, and practice exams. Video lessons and downloadable study guides included.

Course curriculum

Foundations and Exam Overview

- **Understanding the AWS SCS-C03 Exam Structure (12m)**
Learn the exam domains, question types, and scoring to plan your study strategy effectively.
- **Key AWS Security Concepts You Must Know (18m)**
Get a clear overview of core security principles like the shared responsibility model and defense in depth.
- **Setting Up Your AWS Practice Environment (15m)**
Step-by-step guide to create a safe, free-tier AWS account for hands-on practice without extra costs.
- **How to Use AWS Whitepapers for Exam Prep (10m)**
Downloadable checklist of must-read AWS security whitepapers and how to extract key exam points.
- **Creating Your Personalized Study Plan (8m)**
Template to build a realistic 8-week study schedule based on your current knowledge and time.
- **Common Pitfalls to Avoid in the SCS-C03 Exam (14m)**
Real case study analysis of mistakes candidates make and how to sidestep them for a better score.
- **Introduction to Real Exam Dumps and Ethical Use (9m)**
How to use practice questions ethically to reinforce learning, not just memorize answers.

Core Security Concepts and Services

- **AWS Identity and Access Management (IAM) (22m)**
Hands-on lab to create IAM policies, roles, and groups with least privilege access.
- **Securing Data at Rest and in Transit with AWS KMS (20m)**
Step-by-step guide to encrypt S3 buckets and EBS volumes using AWS Key Management Service.
- **Configuring AWS Network Security with VPC and Security Groups (25m)**
Real-world scenario to design a secure VPC with subnets, NACLs, and security groups.
- **Implementing AWS WAF and Shield for DDoS Protection (16m)**
Problem-solving session on setting up WAF rules to block common web attacks.
- **Using AWS GuardDuty for Threat Detection (18m)**
Learn how to enable GuardDuty and interpret findings with a downloadable alert response template.
- **Securing Serverless Applications with AWS Lambda (21m)**
Practical case study on hardening Lambda functions with IAM roles and environment variables.
- **Managing Secrets with AWS Secrets Manager (12m)**
Step-by-step guide to store and rotate database credentials securely.
- **AWS Security Hub: Centralized Security Management (14m)**
How to aggregate findings from multiple AWS services into a single dashboard.
- **Compliance Frameworks: AWS Artifact and Config (17m)**
Downloadable template to map AWS Config rules to common compliance standards like CIS and NIST.

Deep Dive into Security Monitoring and Logging

- **Setting Up AWS CloudTrail for Audit Trails (19m)**
Real case study analysis of using CloudTrail logs to investigate a security incident.
- **Using Amazon CloudWatch for Security Monitoring (23m)**
Step-by-step guide to create alarms for unauthorized API calls and suspicious activity.
- **Centralized Logging with AWS CloudWatch Logs and S3 (15m)**
Hands-on lab to aggregate logs from multiple accounts into a single S3 bucket.
- **Configuring AWS Config for Resource Compliance (20m)**
Problem-solving session on remediating non-compliant resources automatically.
- **Advanced Threat Hunting with Amazon Detective (24m)**
Learn how to use Detective to visualize and investigate security events step-by-step.
- **Incident Response Playbook for AWS Environments (26m)**
Downloadable template for an incident response plan covering detection, containment, and recovery.
- **Logging Best Practices for SCS-C03 Exam (11m)**
Key logging strategies that are frequently tested, with examples from real exam questions.

Advanced Security Design and Implementation

- **Designing Secure Multi-Account Architectures with AWS Organizations (28m)**
Step-by-step guide to set up AWS Organizations with SCPs for centralized security control.
- **Implementing Zero Trust with AWS IAM and VPC Endpoints (30m)**
Real-world case study to design a zero-trust network for a sensitive application.
- **Securing Data Lakes with AWS Lake Formation and Macie (25m)**
Hands-on lab to classify and protect sensitive data in S3 using Macie.
- **Database Security: RDS and DynamoDB Encryption (18m)**
Problem-solving session on enabling encryption and managing keys for databases.
- **Container Security with Amazon ECR and ECS (22m)**
Step-by-step guide to scan container images and secure ECS tasks.
- **Kubernetes Security on AWS with EKS (27m)**
Real case study analysis of securing an EKS cluster with IAM roles and network policies.
- **API Security with Amazon API Gateway (16m)**
Downloadable template to configure API keys, throttling, and WAF integration.
- **Serverless Security Patterns for SCS-C03 (20m)**
Common exam scenarios on securing serverless architectures with practical solutions.
- **Hybrid Cloud Security with AWS Direct Connect and VPN (24m)**
Hands-on lab to establish secure connectivity between on-premises and AWS.
- **Cost-Effective Security: AWS Budgets and Cost Explorer (12m)**
How to monitor and control security-related costs without compromising protection.

Implementation, Practice Exams, and Next Steps

- **Full-Length Practice Exam: SCS-C03 Simulation (35m)**
Take a timed mock exam with real-style questions and immediate feedback on answers.

- **Reviewing Practice Exam Results: Gap Analysis (20m)**
Step-by-step guide to analyze your weak areas and adjust your study plan.
- **Advanced Question Strategies for AWS Exams (15m)**
Techniques to tackle tricky multiple-choice and scenario-based questions.
- **Time Management During the SCS-C03 Exam (10m)**
Practical tips to pace yourself and avoid rushing through questions.
- **Hands-On Lab: Complete Security Audit of a Sample AWS Environment (32m)**
Real case study analysis to perform a full security assessment and generate a report.
- **Using AWS Well-Architected Framework for Exam Prep (18m)**
Downloadable checklist to align your knowledge with the security pillar of the framework.
- **Creating Your Exam Day Checklist (8m)**
Template for what to bring, how to set up your testing environment, and last-minute tips.
- **Post-Exam: What to Do After Passing SCS-C03 (12m)**
Next steps for career advancement and maintaining your certification.
- **Community Resources and Ongoing Learning (14m)**
Curated list of forums, blogs, and AWS events to stay updated on security trends.
- **Final Q&A: Common Exam Questions and Answers (22m)**
Problem-solving session covering the most frequently asked questions from real exams.
- **Bonus: 2026 SCS-C03 Dumps and Updates (16m)**
How to access updated practice questions and stay current with exam changes.
- **Course Wrap-Up and Certification Pathway (10m)**
Summary of key takeaways and a roadmap for advanced AWS security certifications.
- **Downloadable Resources and Templates (7m)**
Access all course templates, checklists, and scripts for future reference.

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