

AWS Solutions Architect Professional Exam Prep

AWS Solutions Architect Professional. Advanced networking, hybrid architecture, and migration.

IT Certifications Instructor: Nick Williams • 5 sections • 46 lessons • 14.75h total

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About this course

This course prepares you for the AWS Solutions Architect Professional exam. We cover advanced networking, hybrid architecture, migration, and cost optimization. Hands-on labs, complex scenarios, and practice exams included.

Course curriculum

Foundations and Exam Overview

- **Understanding the AWS Solutions Architect Professional Exam Structure (12m)**
Learn the exam format, question types, and scoring system to build an effective study strategy from day one.
- **Key AWS Services You Must Master for the Professional Level (18m)**
Get a practical breakdown of the core AWS services that appear frequently in the exam, with real-world examples.
- **Creating Your Personalized Study Plan Template (8m)**
Download and customize our study plan template to organize your preparation efficiently.
- **Common Exam Pitfalls and How to Avoid Them (15m)**
Learn about the most frequent mistakes candidates make and how to sidestep them during preparation.
- **Setting Up Your AWS Practice Environment (22m)**
Step-by-step guide to creating a safe AWS sandbox where you can practice without incurring costs.
- **Time Management Strategies for the Exam (10m)**
Practical techniques to manage the 180-minute exam time effectively across all question types.
- **Understanding the AWS Well-Architected Framework (16m)**
Deep dive into the six pillars and how they relate to exam questions and real-world scenarios.

Core AWS Services Deep Dive

- **Advanced VPC Design and Network Security Patterns (25m)**
Learn complex VPC architectures, transit gateway setups, and security best practices for enterprise environments.
- **Multi-AZ and Multi-Region Architecture Strategies (28m)**
Explore disaster recovery, high availability, and global architecture patterns for critical applications.
- **AWS Identity and Access Management (IAM) Advanced Scenarios (20m)**
Master complex IAM policies, cross-account access, and security best practices for large organizations.
- **Cost Optimization Strategies for Enterprise AWS Deployments (23m)**
Real-world cost optimization techniques including Reserved Instances, Savings Plans, and rightsizing.
- **AWS Storage Solutions: S3, EBS, and FSx Deep Analysis (26m)**
Compare storage options, understand data lifecycle management, and choose the right service for each scenario.
- **Database Services: RDS, Aurora, DynamoDB, and Redshift (30m)**
Learn when to use each database service and how to design for performance, scalability, and cost.
- **Compute Services: EC2, Lambda, ECS, and EKS (27m)**
Understand container orchestration, serverless architectures, and hybrid compute strategies.
- **AWS Networking: Direct Connect, VPN, and Hybrid Connectivity (24m)**
Master enterprise networking patterns including hybrid cloud and multi-cloud connectivity.

- **Security and Compliance: AWS Organizations, GuardDuty, and Macie (21m)**
Learn advanced security services and compliance frameworks for regulated industries.

Advanced Architecture Patterns

- **Designing for Failure: Resilience and Fault Tolerance (19m)**
Practical patterns for building resilient systems that handle failures gracefully.
- **Microservices Architecture on AWS: ECS vs EKS vs Lambda (22m)**
Compare container orchestration options and serverless approaches for microservices.
- **Event-Driven Architecture with SQS, SNS, and EventBridge (17m)**
Learn to design decoupled systems using AWS messaging and event services.
- **Data Lake and Analytics Architecture Patterns (24m)**
Design scalable data lakes using S3, Glue, Athena, and Redshift Spectrum.
- **Hybrid Cloud Architecture with AWS Outposts and Local Zones (20m)**
Understand when and how to implement hybrid solutions for latency-sensitive workloads.
- **Migration Strategies: 6 Rs and AWS Migration Services (26m)**
Learn practical migration patterns using AWS Migration Hub, DMS, and Server Migration Service.
- **High-Performance Computing on AWS (18m)**
Explore EC2 HPC instances, Parallel Cluster, and Batch for scientific computing workloads.

Exam Question Strategies and Practice

- **Analyzing Complex Scenario Questions Step-by-Step (14m)**
Learn a systematic approach to break down multi-part scenarios and identify the best solution.
- **Identifying Keywords in Exam Questions (11m)**
Master the art of recognizing key terms that indicate specific AWS services or patterns.
- **Elimination Techniques for Multiple Choice Questions (13m)**
Practical strategies to eliminate wrong answers quickly and increase your chances of selecting the correct one.
- **Hands-on Practice: Solving Real SAP-C02 Style Questions (29m)**
Work through actual exam-style questions with detailed explanations and reasoning.
- **Time Management During Practice Tests (16m)**
Learn to pace yourself during practice exams and build stamina for the real test.
- **Reviewing Your Practice Test Results Effectively (12m)**
Create a systematic approach to analyzing mistakes and improving weak areas.
- **Creating Your Own Practice Questions (18m)**
Learn to think like the exam creators and generate your own practice scenarios.
- **Study Groups and Peer Review Strategies (10m)**
Maximize your learning through collaborative study techniques and peer discussions.
- **Final Week Preparation Checklist (8m)**
Downloadable checklist to ensure you're ready for exam day with all logistics covered.
- **Managing Exam Day Stress and Anxiety (9m)**
Practical techniques to stay calm and focused during the actual exam.

Real-World Application and Next Steps

- **Case Study: Enterprise Migration to AWS (32m)**
Walk through a complete enterprise migration scenario from planning to execution.
- **Case Study: Building a Multi-Region E-Commerce Platform (28m)**
Design a scalable, resilient e-commerce architecture using AWS best practices.
- **Case Study: Healthcare Compliance with AWS (25m)**
Learn how to architect HIPAA-compliant solutions on AWS with proper security controls.
- **Case Study: Financial Services Architecture (30m)**
Design secure, compliant banking systems with high availability requirements.
- **Case Study: Media Streaming Platform (27m)**
Build a global media delivery system with CDN, transcoding, and analytics.
- **Case Study: IoT Data Processing Pipeline (24m)**
Create an end-to-end IoT solution with device management, data ingestion, and analytics.
- **Case Study: Machine Learning Workloads on AWS (29m)**
Design scalable ML pipelines using SageMaker, S3, and specialized compute services.
- **Post-Exam: Continuing Your AWS Learning Journey (11m)**
Resources and next steps to keep your AWS skills current after certification.
- **Leveraging Your Certification for Career Growth (13m)**
Practical advice on how to use your AWS certification to advance your career.
- **Staying Updated with AWS Service Updates (10m)**
Strategies to keep up with AWS's rapid service evolution and new features.
- **Building Your Professional AWS Portfolio (15m)**
How to showcase your AWS skills through projects, blogs, and community contributions.
- **Final Q&A and Common Exam Questions Review (20m)**
Address common questions and concerns from students preparing for the exam.
- **Course Wrap-up and Success Mindset (8m)**
Final encouragement and mindset tips for approaching your exam with confidence.

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