✦ CLOUD COMPUTING · ADVANCED

AWS Solutions Architect Professional

Architecture at enterprise scale.



96	8	AWS-SAP
HOURS	MODULES	CERTIFICATION

✦ INSIDE THIS BROCHURE

Contents

Program overview 03

Who it's for 04

Learning outcomes 05

Program runway 06

Detailed curriculum 07

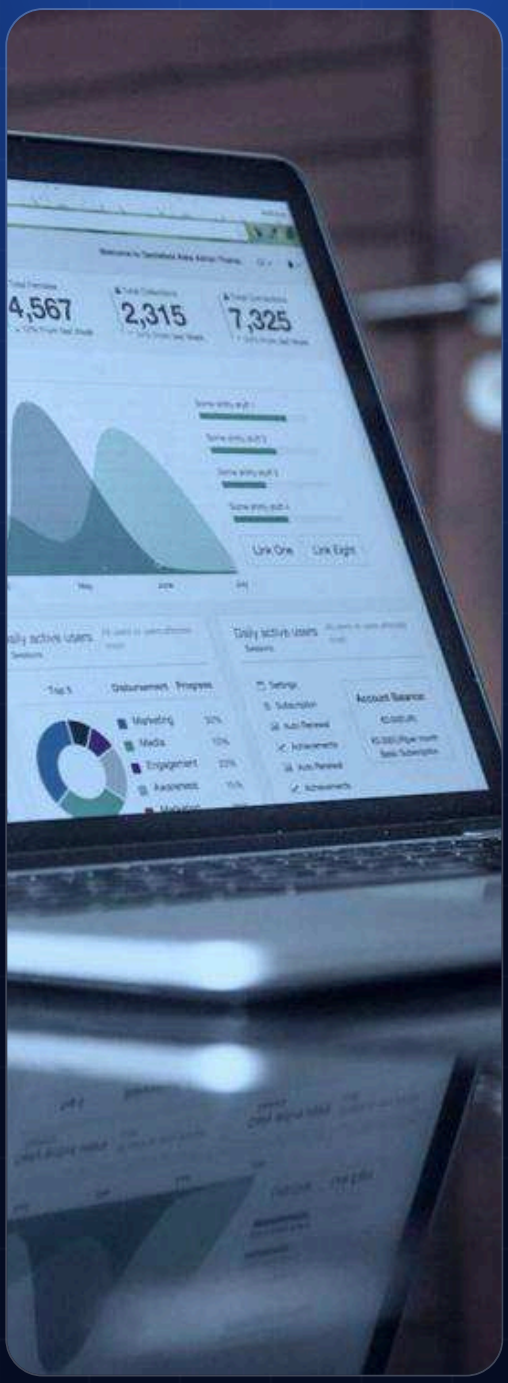
Tools & platforms 10

Projects & capstone 11

Certification & method 12

Learning path 13

FAQs 14



AT A GLANCE

Level	Advanced
Duration	96 Hours
Modules	8
Certificate	AWS-SAP

✦ PROGRAM OVERVIEW

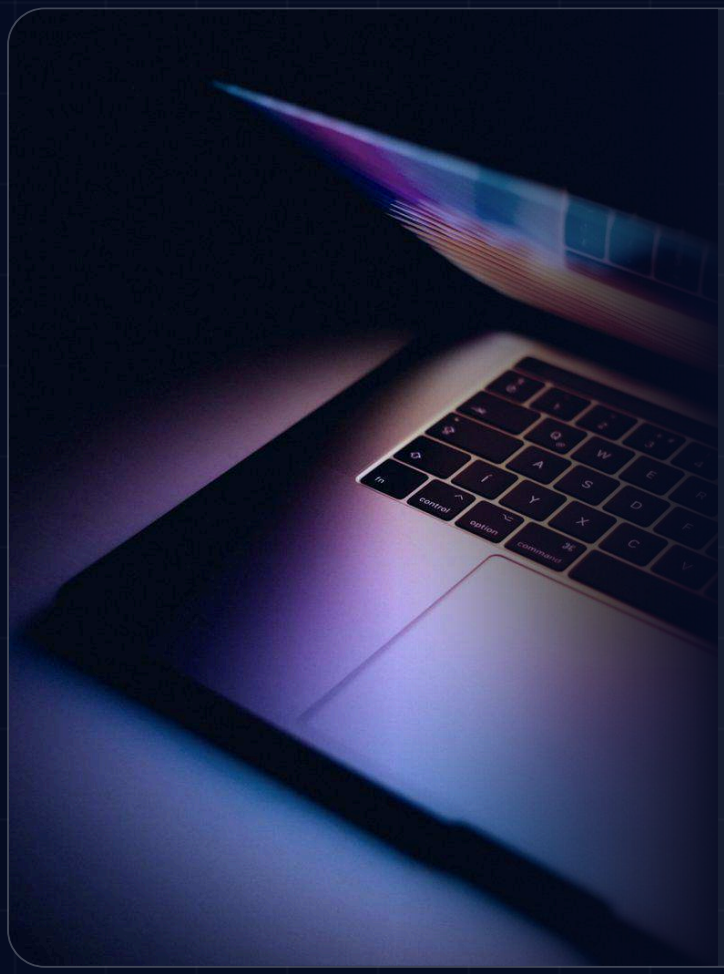
Architecture at enterprise scale.



Advanced AWS architecture for complex, multi-account enterprise environments.

Enterprise AWS environments involve many accounts, hybrid networks, strict compliance and large migrations. This advanced program prepares experienced architects for the AWS Certified Solutions Architect – Professional (SAP-C02) exam across its four domains: organisational complexity, new solutions, continuous improvement, and migration and modernisation, using complex case-based design exercises. Learners practise defending designs as senior architects do.

LEVEL	DURATION	CERTIFICATION	DELIVERY
Advanced	96 Hours	AWS-SAP	Instructor-led · Live virtual · Blended



✦ WHAT YOU'LL PRACTISE

Design multi-account strategies	01
Architect for complex requirements	02
Plan migrations and modernisation	03
Prepare for the SAP-C02 exam	04

✦ WHO IT'S FOR

Built for people ready to grow.

01

Beginners & non-tech roles

Cloud fundamentals, AWS CLF, AZ-900, GCP Digital Leader

02

Administrators & SysOps

AZ-104, SOA-C02, GCP ACE

03

Developers

AWS DVA-C02 and AZ-204

04

Architects

SAA, SAP, AZ-305, GCP PCA, multi-cloud

PREREQUISITES

AWS Solutions Architect Associate knowledge or equivalent	01
Hands-on experience designing AWS workloads	02
Strong networking and security fundamentals	03

ROLES YOU CAN TARGET

- Senior Solutions Architect ↗
- Enterprise Cloud Architect ↗
- Cloud Migration Architect ↗
- Principal Cloud Engineer ↗
- Cloud Consultant ↗

✦ LEARNING OUTCOMES

What you'll be able to do.

01 Design multi-account strategies with Organizations and Control Tower

02 Architect hybrid and multi-region networks using Transit Gateway

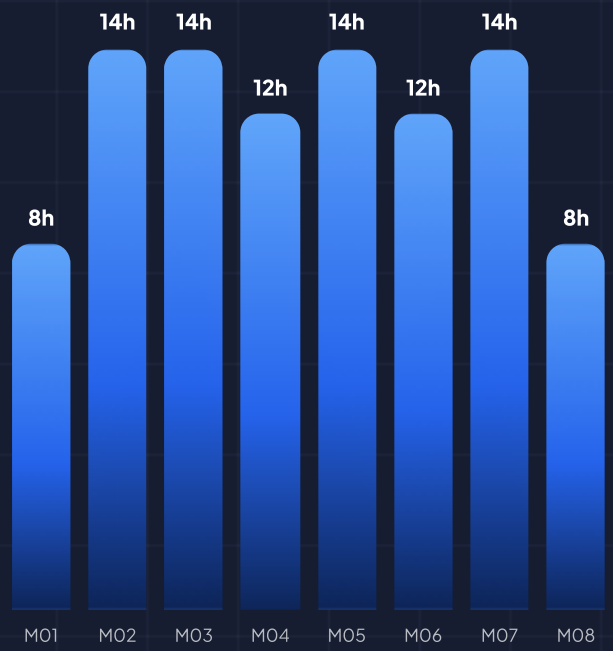
03 Design solutions for complex security and compliance requirements

04 Improve existing workloads for reliability, performance and cost

05 Plan large-scale migrations using the 7 Rs and AWS tools

06 Evaluate trade-offs in complex scenario-based architecture decisions

HOURS PER MODULE



✦ PROGRAM RUNWAY

Your journey, module by module.

8
MODULES · 96 HRS

01	**Professional Architecture Mindset** SAP-C02 domains and scenario style, Well-Architected deep dive, Architecture trade-off analysis	8 hrs
02	**Multi-Account Strategy and Governance** AWS Organizations and SCPs, AWS Control Tower landing zones, IAM Identity Center and federation	14 hrs
03	**Advanced Networking and Hybrid Connectivity** Transit Gateway architectures, Direct Connect and Site-to-Site VPN, PrivateLink and VPC endpoints	14 hrs
04	**Security and Compliance at Scale** Encryption strategy with KMS, Security Hub and GuardDuty organisation-wide, Data perimeters	12 hrs
05	**Designing New Solutions** High availability and multi-region design, Disaster recovery architectures, Event-driven and serverless at scale	14 hrs
06	**Continuous Improvement of Existing Solutions** Operational excellence improvements, Reliability gap analysis, Performance optimisation	12 hrs
07	**Migration and Modernisation** Migration strategies: the 7 Rs, Portfolio discovery and assessment, AWS Application Migration Service	14 hrs
08	**Exam Preparation** Long scenario question strategy, Eliminating distractors, Full-length practice exams	8 hrs
★	**Capstone · Enterprise AWS Transformation Architecture** Assessment, capstone review and certification	

✦ DETAILED CURRICULUM

The syllabus.

Modules 01–03

MODULE 01

Professional Architecture Mindset

8 hours

Hands-on lab
Analyse a complex case study and list requirements, constraints and trade-offs.

TOPICS COVERED

- SAP-C02 domains and scenario style
- Well-Architected deep dive
- Architecture trade-off analysis
- Requirements and constraints gathering
- Reference architectures

MODULE 02

Multi-Account Strategy and Governance

14 hours

Hands-on lab
Build a landing zone with Control Tower, SCPs and centralised logging.

TOPICS COVERED

- AWS Organizations and SCPs
- AWS Control Tower landing zones
- IAM Identity Center and federation
- Cross-account access patterns
- Centralised logging and security accounts
- Resource sharing with RAM

aws AWS

MODULE 03

Advanced Networking and Hybrid Connectivity

14 hours

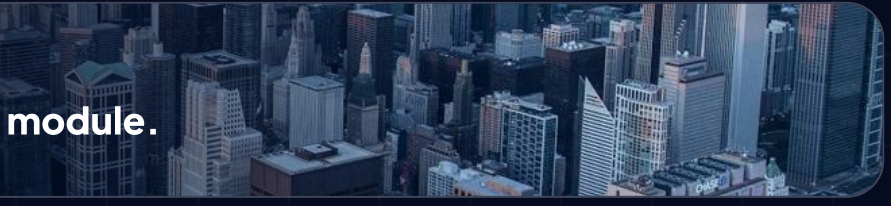
Hands-on lab
Design a hub-and-spoke network with Transit Gateway and hybrid DNS.

TOPICS COVERED

- Transit Gateway architectures
- Direct Connect and Site-to-Site VPN
- PrivateLink and VPC endpoints
- Route 53 Resolver for hybrid DNS
- Network Firewall and inspection VPCs
- IPv6 and IP address planning

LEARN BY DOING

8 guided labs, one in every module.



✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 04–06

MODULE 04

Security and Compliance at Scale

12 hours

Hands-on lab
Implement organisation-wide detective controls and a data perimeter policy.

TOPICS COVERED

- Encryption strategy with KMS
- Security Hub and GuardDuty organisation-wide
- Data perimeters
- Compliance automation with Config
- Secrets and certificate management
- Incident response design

MODULE 05

Designing New Solutions

14 hours

Hands-on lab
Design an active-active multi-region application with DynamoDB global tables.

TOPICS COVERED

- High availability and multi-region design
- Disaster recovery architectures
- Event-driven and serverless at scale
- Containers on ECS and EKS
- Data and analytics platforms
- Performance and caching strategies

MODULE 06

Continuous Improvement of Existing Solutions

12 hours

Hands-on lab
Review an existing architecture and produce a prioritised improvement plan.

TOPICS COVERED

- Operational excellence improvements
- Reliability gap analysis
- Performance optimisation
- Cost optimisation at scale
- Deployment strategy improvements
- Observability enhancements

LEARN BY DOING

8 guided labs, one in every module.

✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 07–08

MODULE 07

Migration and Modernisation

14 hours

Hands-on lab
Plan a wave-based migration for a portfolio of legacy applications.

TOPICS COVERED

- Migration strategies: the 7 Rs
- Portfolio discovery and assessment
- AWS Application Migration Service
- Database migration with DMS and SCT
- Large-scale data transfer options
- Modernising to containers and serverless

aws AWS

MODULE 08

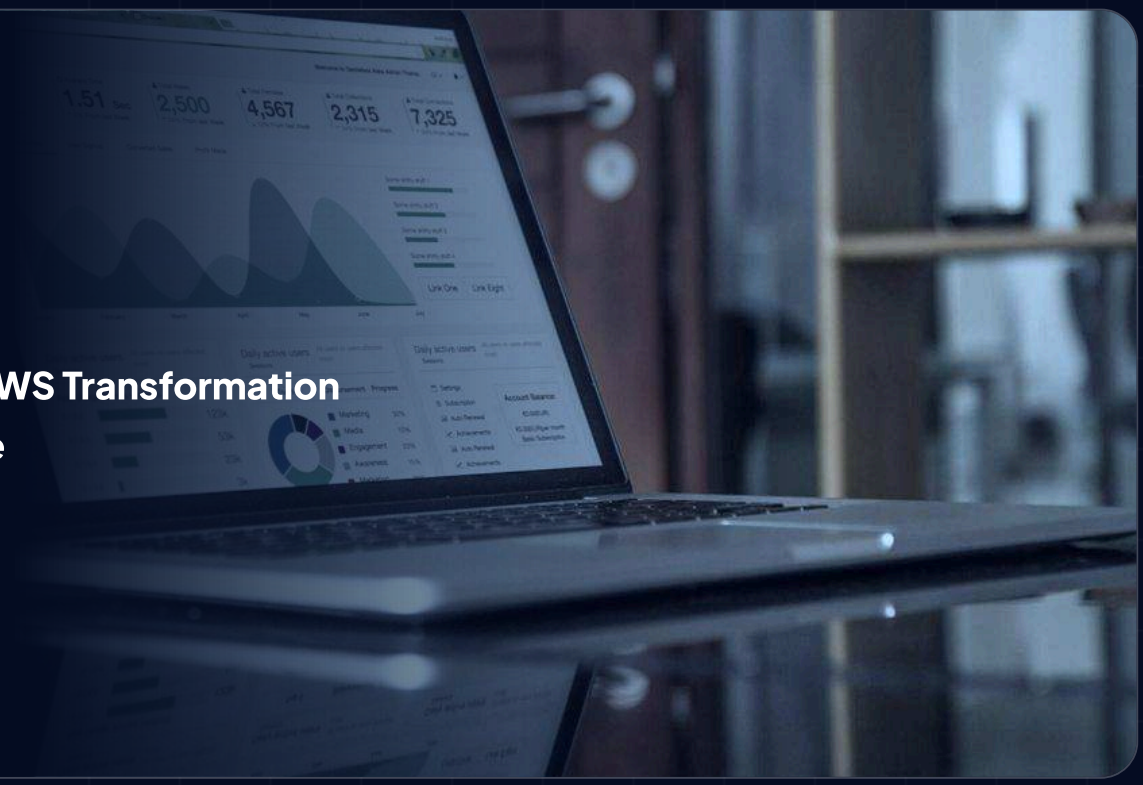
Exam Preparation

8 hours

Hands-on lab
Complete a full-length timed practice exam and review by domain.

TOPICS COVERED

- Long scenario question strategy
- Eliminating distractors
- Full-length practice exams
- Domain-wise revision
- Time management



CAPSTONE

Enterprise AWS Transformation Architecture

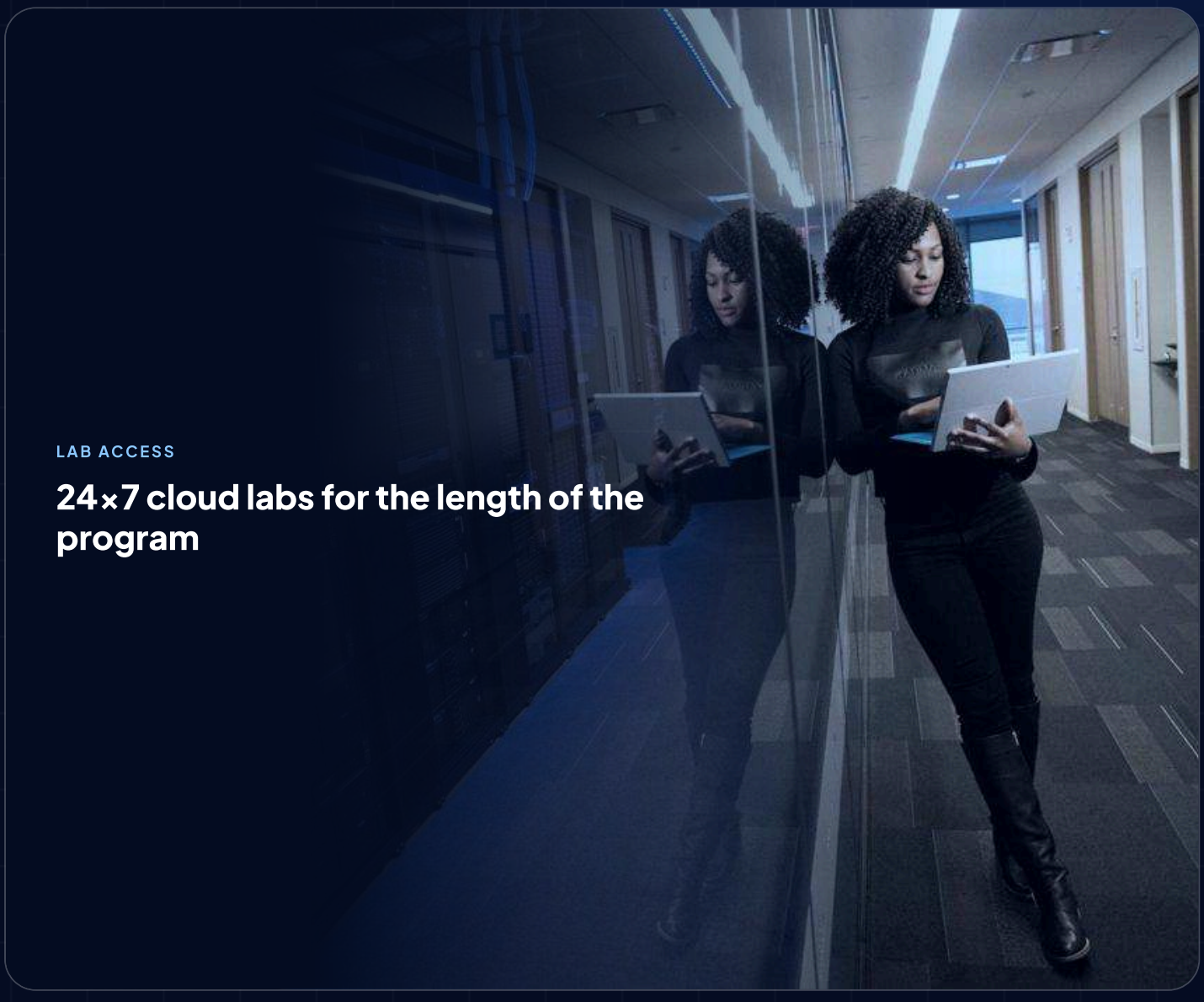
✦ YOUR STACK

Tools you'll build with.

Real platforms and frameworks — the same stack modern teams ship with, practised in cloud-hosted labs.

AWS
Cloud platform

Terraform
Infrastructure as code



LAB ACCESS

24×7 cloud labs for the length of the program

✦ HANDS-ON WORK

Projects that prove you can do it.

01

Enterprise Landing Zone

Design and deploy a governed multi-account landing zone with Control Tower, SCPs, identity federation and centralised logging.

02

Hybrid Network Architecture

Architect hybrid connectivity using Transit Gateway, Direct Connect, VPN backup and Route 53 Resolver for DNS.

03

Migration Wave Plan

Assess an application portfolio, assign migration strategies and plan migration waves with tools, risks and timelines.

CAPSTONE PROJECT

Enterprise AWS Transformation Architecture

Produce a complete architecture for an enterprise moving to AWS: multi-account landing zone, hybrid networking, security and compliance controls, multi-region resilience, migration and modernisation plan, and cost model, defended in an architecture review.

Real-world scenario | Mentor review | Portfolio ready



CERTIFICATION

AWS-SAP

Awarded on successful completion of the program assessments.

- MCQ assessments
- Practical lab evaluation
- Project & capstone review
- Final presentation



✦ HOW YOU LEARN

The SAM Learning Framework™

PHASE 01

S

Scenario

Real-world attack and use-case scenarios open every module.

PHASE 02

A

Apply

Hands-on lab work, CTF challenges and live projects.

PHASE 03

M

Master

Assessment, peer review and certification prep.

PHASE 04

M

Mentor

Post-program career guidance and support.

DELIVERY MODELS

- Instructor-Led (ILT)
- Virtual Instructor-Led
- Self-Paced Online
- E-Learning Licensing
- Blended Learning
- Corporate Onsite
- Bootcamp Intensive
- Hackathon / CTF
- Mentorship

✦ LEARNING PATH · CLOUD COMPUTING

Where this program fits.

Beginner	Intermediate	Advanced	Expert
4 programs	6 programs	You are here	2 programs

BEFORE THIS

AWS Solutions Architect Associate (SAA-C03)	80 Hours
AWS Developer Associate (DVA-C02)	72 Hours
AWS SysOps Administrator (SOA-C02)	72 Hours
Azure Administrator (AZ-104)	72 Hours

UP NEXT

Cloud Security (AWS/Azure)	72 Hours
Multi-Cloud Architecture & Strategy	80 Hours



CAREER ROLES

- Senior Solutions Architect
- Enterprise Cloud Architect
- Cloud Migration Architect
- Principal Cloud Engineer
- Cloud Consultant

✦ FAQS

Questions, answered.

Q01

Do I need prior experience?

Yes. This is an advanced program for experienced architects. You should hold or have knowledge equivalent to the Solutions Architect Associate certification and have hands-on experience designing and deploying AWS workloads.

Q02

How are classes scheduled and delivered?

Sessions are instructor-led and run as live virtual or blended batches, with weekday and weekend options where available. Timed practice tests and exam-domain reviews are scheduled before the SAP-C02 exam, with notes for revision.

Q03

Will I receive a certificate?

The program follows the official AWS Certified Solutions Architect – Professional (SAP-C02) exam guide and includes practice assessments. You receive the Samcommunity Academy AWS-SAP certificate after our assessments; the vendor exam is booked and paid for separately with the vendor.

Q04

How do I access labs and tools?

Labs use AWS free-tier or sandbox accounts and sandbox environments for multi-account labs. Instructors show how to set budgets and clean up resources to avoid unexpected charges, and step-by-step lab guides are shared for every module.

Q05

Is career support included?

You get guidance on portfolio projects, resume positioning and interview preparation for relevant roles. Architecture documents from projects serve as senior-level portfolio evidence. We do not guarantee jobs, placements or salaries.



✦ LET'S TALK

Start AWS Solutions Architect Professional with Samcommunity.

INDIVIDUALS

academy@samcommunity.in

Batches, enrolment & career guidance

CORPORATE & INSTITUTIONS

corporate@samcommunity.in

Team batches & custom programs

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