



The AWS Certified **Solutions Architect – Associate**

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COURSE OVERVIEW

The AWS Certified Solutions Architect -Associate is a certification offered by Amazon Web Services (AWS) that validates your expertise in designing distributed systems and architectures on the AWS platform. This certification is one of the most popular and widely recognized AWS certifications.

COURSE FEATURES

COMPREHENSIVE EXAM COVERAGE

The course covers most of the domains & topics included in the AWS Certified Solutions Architect - Associate exam, ensuring that candidates understand the subject matter.

ALIGNED WITH OFFICIAL COURSE MATERIAL

The course is typically based on official AWS training material, ensuring the content aligns with the most current AWS services and best practices.

STRUCTURED LEARNING PATH

The course is organized into a structured learning path, making it easy for candidates to follow a logical progression of topics. This helps build a strong foundation & gradually delve into more complex subjects.

COURSE OUTCOMES

Recognition and Credibility

AWS Certified Solutions Architect - Associate is a well-recognized and respected certification in the IT industry. It signifies your expertise in designing solutions on the AWS platform and can enhance your professional credibility.

Career Advancement:

Open new opportunities. Many employers actively seek AWS-certified professionals for cloud-related positions.

Increased Earning Potential

AWS certifications, including the Solutions Architect - Associate, are often associated with higher salaries. Certified professionals tend to earn more than their non-certified counterparts.

Knowledge and Skills

The course and certification process equip you with a deep understanding of AWS services and best practices for architecting solutions. You'll gain hands-on experience with AWS services and learn how to design scalable and cost-effective architectures.

Problem-Solving Skills

The certification course emphasizes problem-solving and critical thinking skills, enabling you to analyse business requirements and design solutions that meet organizational needs.

Contribution to Organizational Success

With your certification, you can contribute to your organization's success by designing efficient and scalable solutions on the AWS platform, leading to improved performance and cost savings.

Demonstration of Commitment

Achieving the AWS Certified Solutions Architect - Associate certification demonstrates your commitment to on-going professional development and staying up-to-date with cloud technology trends.

Path to Advanced Certifications

This certification is a stepping stone to more advanced AWS certifications, such as the AWS Certified Solutions Architect - Professional, which can further enhance your career prospects.

WHO CAN DO THIS COURSE ?

Any undergraduate, graduate, post graduate, system administrator, network administrator. There is no specific prerequisite is given. Recommended is candidate should have basic networking and basic cloud computing knowledge.

COURSE CURRICULUM

1.0 Cloud Computing

Concepts Intro to Datacenters Intro to Cloud Models. IaaS, PaaS, and SaaS. Intro to Amazon Web Services. Intro to AWS Management Console

2.0 Networking Concepts in AWS

Intro to AWS VPC VPC Elements (VPC, Subnets, Internet Gateway, Routing Table, Routes) Creating your first VPC in AWS Management Console Create VPC in AWS CLI and Cloud Shell Inter VPC Peering NAT Gateway Site to Site IPsec VPN Security Groups and Access Control Lists

3.0 Virtualisation in AWS

Introduction to EC2 Create your Instance in EC2 Placement Groups, Boot Scripts, Key Pairs, etc. Elastic Block Store volumes. EBS Snapshots AMI (Amazon Machine Image) Monitoring EC2 instances with CloudWatch Configuring notification with Simple Notification Service (SNS) Configuring Identity with Identity Access Management (IAM) User Accounts, Groups, Custom Policies, Roles, MFA, Password Policies, etc. Configuring application high availability with Elastic Load Balancer Configuring dynamic scaling with Auto Scaling Groups (ASG)

4.0 Databases in AWS

Understanding Relational Database in AWS (RDS) Implementing RDS Database instance in AWS Accessing RDS in AWS Understanding NoSQL Database in AWS Implementing and Configuring Dynamo DB in AWS Intro to AWS ElastiCache

5.0 Application Hosting in AWS

Intro to Web Applications Architecture Intro to Elastic Beanstalk (EBS) Hosting Web Application on Elastic Beanstalk Environment Cloning and URL Swapping

6.0 DNS & Name resolution in AWS

Intro to DNS Name Resolution Intro to Route 53 Domain registration Zone Hosting Creating Records in Zones Record Types

7.0 Cloud Storage in AWS

Intro to Shared Storage Implementing Elastic File System (EFS) Mounting EFS Share on Linux Instances Intro to traditional Backups Intro to Glacier Creating Glacier Vault Backup and Restore data Intro to Object Storage Introduction to Simple Storage Service (S3) www.skills-factory.com Contact us- -9922376995 -9922001519 Create an S3 bucket load file in S3 Bucket S3 Object Class Object URL S3 Versioning S3 Object Lock S3 Public Access S3 Replication and Lifecycle Rules End-user access to S3 Application connectivity to S3 CloudFront with S3

8.0 Containers in AWS

Intro to Containers Intro to Docker Intro to Elastic Container Services (ECS) ECS Cluster, Task Definitions, Service and Load Balancer ECS with IAM, Data Volumes, and Auto Scaling Intro to Image Repository Intro to Elastic Container Registry (ECR) Implementing ECR Intro to Fargate

9.0 Monitoring & Other Services in AWS Course

Duration: 2 Months 5 Days 80 Hrs

ABOUT AWS GLOBAL EXAMINATION

1. EXAM OVERVIEW

- The certification exam tests your knowledge and skills in architecting solutions on AWS.
- The exam code is SAA-C02, but you should always check the AWS website for the most up-to-date information.
- The exam consists of multiple-choice and multiple-answer questions.

2. PREREQUISITES

- While there are no strict prerequisites, it's recommended to have some experience with AWS services and a basic understanding of cloud computing concepts.

3. EXAM DOMAINS

The certification exam covers various domains, including but not limited to:

- Designing highly available, cost-efficient, and scalable systems.
- Implementation and deployment of applications and resources.
- Security best practices and compliance.
- Designing and implementing solutions based on customer requirements.

4. EXAM DETAILS

- The exam consists of approximately 65 multiple-choice and multiple-answer questions.
- The passing score varies but is generally around 72%.
- You have 130 minutes to complete the exam.

MODE OF DELIVERY

1) ONLINE

2) BLENDED



Skills Factory Learning in partnership/collaboration/MOUs with apex Governmental educational and regulatory bodies and Government established Universities offers specialized career-oriented courses in Digital/Information Security, Networking, and Wellness. Courses align with Government-approved curriculum.

Skills Factory's certificate courses in Information Security, Networking, and Wellness will boost your knowledge to explore new opportunities, to create a secure and uninterrupted career growth path. Dig into the topics in step-by-step learning to master the subject with ease.

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