

AWS Solution Architect Associate & AWS Security Speciality Full Combo Course



Powered by

About the Program

Accelerate your career in cloud computing with the AWS Solution Architect Associate & AWS Security Speciality Full Combo Course. This course is designed to help you master the skills you need to become a certified AWS Solutions Architect Associate and AWS Security Specialty.

Program Overview:

The AWS Solution Architect Associate & AWS Security Speciality Full Combo Course offers a comprehensive introduction to the world of cloud computing. This course is carefully designed to provide students with the necessary knowledge and skills to effectively design, deploy, and secure software applications in an AWS environment.

Throughout the program, participants will delve into various aspects of AWS, gaining insights into cloud computing, security, compliance, compute, networking, storage, database, deployment and management, cost optimization, and communication. By the end of the training, students will be well-prepared to navigate the complexities of AWS and confidently handle the tasks involved in optimizing software applications within this cloud platform.

The course features a blend of online self-paced videos, live virtual classes, hands-on projects, and integrated labs, with mentorship sessions to provide a high-engagement learning experience.

Key Features of the Program



Labs



Theory class



Online Class



Trainer Guidance



Resume Guidance



Doubt Sessions



Practitioner

About Eduleem

Eduleem is an innovative and forward-thinking education company dedicated to transforming the way students learn and engage with knowledge. We believe in the power of education to shape lives, empower individuals, and create a brighter future. Our mission is to provide comprehensive educational solutions that inspire a love for learning, foster critical thinking skills, and equip students with the tools they need to succeed in a rapidly evolving world. Eduleem has Tag Line Defined Unfurl your Imagination on Education



Eligibility Criteria

Target Audience:

- Must have a basic understanding of cloud computing concepts.
- Must have a basic understanding of AWS services.



Application Process

Candidates can apply to the Eduleem's AWS Solution Architect Associate & AWS Security Speciality Full Combo Course in 3 simple steps:



Course Enquiry

Connect with our education counsellors to get in detailed information about the course through calls and email



Reviewing the course content

Our education counsellor's team will share you the course content to review and to know what you are going to learn throughout the course



Joining course

After the discussion your admission for joining course will be confirmed

Talk to an Admissions Counselor

- Talk to an Admissions Counselor We have a team of dedicated admissions counselors here to help guide you in the application process and related matters.
- They are available to Address questions related to the application Assist with financial aid (if required) Help you better understand the program and answer your questions

Who is this Program Ideal for?



The Eduleem AWS Solution Architect Associate & AWS Security Speciality Full Combo Course is designed to cater to individuals who possess a genuine enthusiasm for problem-solving, creativity, and a keen interest in learning about cloud computing. Whether you are a recent high school graduate exploring career prospects, a professional seeking a career transition, or simply someone with a natural inclination towards cloud computing, our course warmly welcomes individuals from diverse backgrounds. Prior experience or formal education in cloud computing is not a prerequisite. If you possess a passion for cloud computing and a strong drive to learn, our course equips you with the essential knowledge, skills, and hands-on experience to embark on an exciting journey in this field.

Program Outcomes



AWS Well-Architected Framework



Security



Compliance



Compute



Networking



Storage



Database



Deployment and Management



Cost Optimization



Communication

AWS Solution Architect Associate & AWS Security Speciality Full Combo Course

Module 1: Architecting Fundamentals Review

- AWS Services and Infrastructure
- Infrastructure Model
- AWS API Tool
- Securing your infrastructure
- The Well-Architect Framework

Module 2: Account Security

- Security Principals
- Identity & Resource-Based Policies
- Account Federation
- Introduction to Managing Multiple Accounts

Module 3: Networking, Part 1

- IP Addressing
- Amazon Virtual Private Cloud, Patterns and Quotas
- Routing
- Internet Access
- Network Access Control Lists
- Security Groups

Module 4: Compute

- Amazon Elastic Cloud Compute
- EC2 Instances and Instance Selection
- High-Performance Computing on AWS
- Lambda and EC2, When to Use Which
- Hands-On Lab: Build Your Amazon VPC Infrastructure

Module 5: Storage

- Shared File Systems Shared EBS
- Volumes
- Amazon S3, Security, Versioning and Storage Class
- Data Migration Tools

Module 6: Database Services

- AWS Database Solutions
- Amazon Relational Database Services DynamoDB, Features and Use Cases
- Redshift, Features, Use Cases and Comparison with RDS
- Scaling
- Caching & Migrating Data
- Hands-on Lab: Create a Database Layer in Your Amazon VPC Infrastructure

Module 7: Monitoring and Scaling

- Monitoring CloudWatch, CloudTrail
- Invoking Events
- Elastic Load Balancing
- Auto Scaling Options and Monitoring Cost
- Hands-on Lab: Configure High Availability in Your Amazon VPC

Module 8: Automation

- Cloud Formation
- AWS Systems Manager

Module 9: Containers

- Microservices
- Monitoring Microservices with X-Ray
- Containers

Module 10: Networking Part 2

- VPC Peering & Endpoints
- Transit Gateway
- Hybrid Networking
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Module 11: Serverless Architecture

- Amazon API Gateway
- Amazon SQS, Amazon SNS
- Amazon Kinesis Data Streams & Kinesis Firehose
- Step Functions
- Compare Amazon SQS to Amazon MQ
- Hands-on Lab: Build a Serverless Architecture

Module 12: Edge Services

- Amazon CloudFront
- AWS Web Application Firewall (WAF), DDoS, and Firewall Manager
- Compare AWS Global Accelerator & Amazon CloudFront Hands-On Lab: Configure an Amazon CloudFront Distribution with an Amazon S3 Origin

Module 13: Backup and Recovery

- Planning for Disaster Recovery
- AWS Backup
- Recovery Strategies

AWS SECURITY SPECIALITY

Module 1: AWS Security Basics

Module 2: Incident Response

Module 3: Security Monitoring

Module 4: Logging Solutions

Module 5: Infrastructure Security

Module 6: Permissions and Roles

Module 7: Federation and Resource-Based Access Control

Module 8: Key Management

Module 9: Data Encryption at Rest and in Transit



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