



 INFOSECTRAIN

# **AWS ADVANCED ARCHITECT COMBO**

TRAINING COURSE



## Course Highlights

**Duration: 50 Hours**

## Learning Path

- AWS Certified Solutions Architect Associate
- AWS Certified Solutions Architect Professional

## Exam Details

<b>Certification Name</b>	AWS Certified Solutions Architect- Associate	AWS Certified Solutions Architect- Professional
<b>Exam Pattern</b>	Multiple Choice or Multiple Response	Multiple Choice or Multiple Response
<b>Exam Duration</b>	130 minutes	180 minutes
<b>No. of Questions</b>	65	75
<b>Exam Language</b>	English, French (France), German, Italian, Japanese, Korean, Portuguese (Brazil), Simplified Chinese, and Spanish (Latin America)	English, French (France), German, Italian, Japanese, Korean, Portuguese (Brazil), Simplified Chinese, and Spanish (Latin America)

# Target Audience

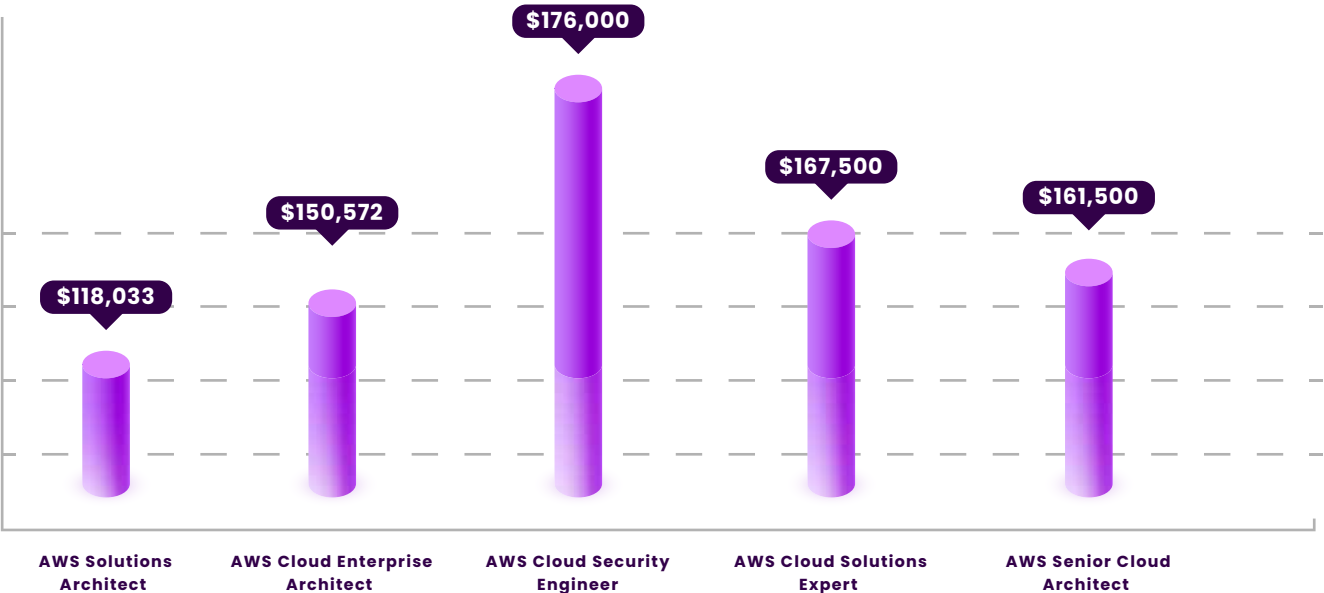
AWS Combo Course has been designed for:

- Programmers, architects who wish to learn deploying Applications on AWS
- Anyone interested in hosting highly scalable, fault-tolerant applications on the AWS cloud
- Those who want to build their career in AWS Cloud Architecting

# Pre-Requisites

- Knowledge of Networking Concepts & Controls
- Virtualization fundamentals
- Familiarity with a scripting language (e.g.: JSON)
- Familiarity with Windows and Linux environments
- Map business objectives to application/architecture requirements

## CAREER BENEFITS OF CLOUD SECURITY PRACTITIONER



## Course Objectives

- Design a complex, hybrid network architecture
- Design identity federation within multiple accounts
- Design an architecture that meets compliance requirements
- Design & deploy dynamically scalable, highly available, fault-tolerant, and reliable applications on AWS
- Select appropriate AWS services to design and deploy an application based on given requirements
- Migrate complex, multi-tier applications on AWS
- Design and deploy enterprise-wide scalable operations on AWS
- Implement cost-control strategies

## Hiring Companies



"Source: Glassdoor"

# Course Content

- > Cloud Computing Concepts
- > Virtualization Concepts

## Compute and Serverless:

- > Amazon EC2
- > AWS Batch
- > AWS Elastic Beanstalk
- > AWS Lambda
- > Amazon Workspaces

## Other Compute Services for review

- > AWS Outposts
- > AWS Wavelength
- > VMware Cloud on AWS
- > AWS Fargate
- > AWS AppSync

## Storage

- > AWS Simple Storage Service (S3)
- > AWS S3 Glacier
- > AWS Elastic Block Store (Amazon EBS)
- > AWS Elastic File System (Amazon EFS)
- > AWS FSx
- > AWS Storage Gateway
- > AWS Backup

## **Database**

- > AWS DynamoDB
- > AWS RDS
- > AWS Aurora
- > AWS ElastiCache

## **Other DB Services for Review**

- > AWS DocumentDB
- > AWS Aurora Serverless
- > AWS Keyspaces for Apache Cassandra
- > AWS Redshift
- > AWS Redshift
- > AWS Timestream
- > Amazon Quantum Ledger Database (QLDB)
- > AWS Neptune

## **Containers**

- > Containerization Concepts and setup
- > AWS Elastic Container Registry (ECR)
- > AWS Elastic Container Service (ECS)
- > AWS Elastic Kubernetes Service (EKS)

## **Networking and Content Delivery**

- > AWS CloudFront
- > AWS Global Accelerator
- > AWS Route 53
- > AWS VPC

## **Other Networking and Content Delivery Topics for review**

- > AWS API Gateway
- > AWS Direct Connect
- > AWS Private Link
- > AWS Transit Gateway

## Database

- > Amazon Athena
- > AWS Kinesis
- > AWS Glue

## Other Application Integration Services for Review

- > AWS Data Exchange
- > AWS Lake Formation
- > Amazon Elasticsearch
- > AWS QuickSight

## Security, Identity, and Compliance

- > AWS Identity and Access Management (IAM)
- > AWS License Manager
- > AWS Certificate Manager (ACM)
- > AWS Directory Service
- > AWS GuardDuty
- > AWS Inspector
- > AWS Key Management Service (AWS KMS)
- > AWS Macie
- > AWS Secrets Manager
- > AWS WAF & Shield
- > AWS Single Sign-On
- > AWS Artifact
- > AWS Audit Manager
- > AWS Cloud HSM and KMS
- > AWS Cognito
- > AWS RAM
- > AWS Detective

## **Migration and Transfer**

- > AWS Database Migration Service (AWS DMS)
- > AWS Server Migration Service (AWS SMS)

## **Other Migration and Transfer Services for Review**

- > AWS Snow Family
- > AWS DataSync
- > AWS Application Migration Service (CloudEndure)
- > AWS Migration Hub
- > AWS Transfer Family

## **AWS Billing and Cost Management**

- > AWS Budgets
- > Cost Explorer
- > AWS Cost and Usage Report
- > Savings Plans

## **Application Integration**

- > AWS Simple Notification Service (Amazon SNS)
- > AWS Simple Queue Service (Amazon SQS)
- > AWS EventBridge (Amazon CloudWatch Events)

## **Other Application Integration Services for Review**

- > AWS MQ
- > AWS Step Functions
- > AWS AppSync
- > AWS AppFlow



## **Management and Governance**

- > AWS Auto Scaling
- > AWS CloudFormation
- > AWS CloudTrail
- > AWS CloudWatch
- > AWS CLI
- > AWS Config
- > AWS Organizations
- > AWS Personal Health Dashboard
- > AWS Systems Manager
- > AWS Trusted Advisor

## **Other Management and Governance Services for review**

- > AWS Compute Optimizer
- > AWS Control Tower
- > AWS License Manager
- > Amazon Managed Grafana
- > Amazon Managed Service for Prometheus
- > AWS Proton
- > AWS Service Catalog
- > AWS Well-Architected Tool

## **Media Services Review**

- > Amazon Elastic Transcoder
- > Amazon Kinesis Video Streams

## **Developer Tools**

- > AWS X-Ray

## **Business Applications Overview**

- > Amazon Alexa

## **Front-End Web and Mobile Service Overview**

- > AWS Amplify
- > Amazon API Gateway
- > AWS Device Farm
- > Amazon pinpoint

## **Machine Learning**

- > Amazon Comprehend
- > Amazon Forecast
- > Amazon Fraud Detector
- > Amazon Kendra
- > Amazon Lex
- > Amazon Polly
- > Amazon Rekognition
- > Amazon SageMaker
- > Amazon Textract
- > Amazon Transcribe
- > Amazon Translate



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