AWS Solutions Architect Certification Training Course

AWS certification demonstrates a level of cloud expertise on Amazon Web Services that an IT professional can get after passing one or more exams. With the help of AWS Certification, professionals can boost their credibility and confidence as it validates their cloud expertise and skills with industry-recognized credentials. Moreover, organizations recognize and prefer skilled professionals to lead cloud initiatives using AWS. The course content for AWS courses are built by AWS experts and are updated on a regular basis, making sure that you gain the latest knowledge while keeping your cloud skills fresh.

AR Learners

- ➤ Exam Simulators

- ➤ Hand book course Material

- ➤ 24x7 assistance and support

- ➤ Peoplecert approved course content

- ➤ Course completion certificate

- ➤ Money Back Guarantee*

Modes of Engagement

AR Learners

Instructor-Led Classroom Training

4-Day AWS Solutions Architect Certification exam prep classroom training workshops conducted worldwide.

Instructor-Led Live Online Training

Provided to your company's employees across global locations through Citrix GoToMeeting or Cisco WebEx.

Self-Placed E-Learning

Anywhere, anytime access to E-Learning through a Learning Management System for employees across the globe.

Enterprise Training

In-House instructor-led 4-day AWS Developer certification training in your office across global locations. We can also provide 2-day AWS Developer Fundamentals training for your team to precede the AWS Developer certification training.

Course Agenda

Lesson 0: Course Introduction

➢ Course Overview

Lesson 1: AWS Overview

➢ AWS Overview

➢ History and Evolution of AWS

➢ Knowledge Check

➢ Overview of AWS Products and Services

➢ Quiz

➢ Key Takeaways

Lesson 02 - Designing Highly Available, Cost-efficient, Fault-tolerant, and Scalable Systems

➢ Designing Highly Available, Cost-efficient, Fault-tolerant, and Scalable Systems

➢ How to design Cloud Services

➢ Knowledge Check

➢ Planning and Designing

➢ Knowledge Check

➢ Monitoring and Logging

➢ Knowledge Check

➢ Hybrid IT architectures

➢ Knowledge Check

➢ Practice Assignment Designing Hybrid Storage

➢ Quiz

➢ Knowledge Check

Course Agenda

Lesson 03 - Identity Access Management(IAM)

➢ Identity and Access Management (IAM)

➢ IAM Overview and Policies

➢ Knowledge Check

➢ IAM Users, Groups, and Roles Knowledge Check IAM Best Practices
IAM Users, Groups, and Roles

➢ Knowledge Check

➢ IAM Best Practices

➢ Practice Assignment Configuring IAM Access

➢ Quiz

➢ Key Takeaways

Lesson 04 - Amazon Virtual Private Cloud(VPC)

➢ Amazon Virtual Private Cloud (VPC)

➢ Amazon VPC and Subnets

➢ Knowledge Check

➢ Networking

➢ Knowledge Check

➢ Using Security Groups and Network ACLs

➢ Knowledge Check

➢ Amazon VPC Best Practices and Costs

➢ Practice Assignment Designing a Custom VPC

➢ Quiz

➢ Knowledge Check

Course Agenda

Lesson 05 - Elastic Compute Cloud(EC2)

➢ Cloud Compute with AWS

➢ Amazon EC2 Overview

➢ Amazon Machine Images (AMI)

➢ Launch and connect to an EC2 Linux instance Demo 1

➢ Launch and connect to an EC2 Windows instance Demo 2

➢ Create an AMI Demo 3

➢ Knowledge Check

➢ Introduction to EC2 Instance Types

➢ Knowledge Check

➢ Overview of Amazon EBS

➢ Knowledge Check

➢ EC2 Pricing

➢ Knowledge Check

➢ Elastic Load Balancing (ELB)

➢ Knowledge Check

➢ Auto Scaling

➢ Knowledge Check

➢ AWS Services

➢ AWS Lambda Demo

➢ Amazon Elastic Container Service

➢ Knowledge Check

➢ EC2 Best Practices and Costs

Course Agenda

Course Agenda

Lesson 07 - Amazon Route 53

➢ Amazon Route 53

➢ Amazon Route 53 Concepts

➢ Knowledge Check

➢ Amazon Route 53 Best Practices and Costs

➢ Practice Assignment Amazon Route 53 Hosted Zone 0

➢ Quiz

➢ Key Takeaways

Lesson 08 - Databases Databases

➢ Databases Overview

➢ Knowledge Check

➢ Amazon Relational Database Service (RDS)

➢ Knowledge Check

➢ AMI Databases

➢ Key Takeaways

➢ Amazon DynamoDB

➢ Knowledge Check

➢ Amazon Redshift

➢ Knowledge Check

➢ Amazon ElastiCache

➢ Knowledge Check

Course Agenda

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Lesson 10 - Security Practices for optimum Cloud Deployment

➢ Security Practices for Optimum Cloud Deployment

➢ AWS Responsibilities and Security Attributes

➢ Knowledge Check

➢ AWS CloudFormation and Design patterns

➢ Practice Assignment AWS CloudWatch

➢ Quiz

➢ Key Takeaways

Lesson 11 - Disaster Recovery

➢ Disaster Recovery

➢ Overview and Products for Disaster Recovery

➢ Practice Assignment Disaster Recovery

➢ Quiz

➢ Key Takeaways

Lesson 12 - Troubleshooting

➢ Troubleshooting

➢ Troubleshooting and Support

➢ Quiz

➢ Key Takeaways

Lesson 13 - AWS Solutions Architect Exam

➢ AWS Solutions Architect Exam

➢ Exam Overview and Study Tips

➢ Knowledge Check

➢ Key Takeaways

Prerequisites:

There are no prerequisites for this AWS training course. However, prior experience in working with AWS or another cloud computing platform is recommended

Target Audience

➢ IS/IT auditors/consultants

➢ IT compliance managers

➢ Chief compliance officers

➢ Chief risk and privacy officers

➢ Security heads/directors

➢ Security managers/architects

Key Learning Outcomes

By the end of this AWS training you will be able to:

➢ Formulate solution plans and provide guidance on AWS architecture best practice

➢ Design and deploy scalable, highly available, and fault-tolerant systems on AWS

➢ Identify the lift and shift of existing on-premises applications to AWS

➢ Decipher the ingress and egress of data to and from AWS

➢ Select the appropriate AWS service based on data, compute, database, or security requirements

➢ Estimate AWS costs and identify cost control mechanisms

Certification Details and Criteria:

To become a CISA certified professional, you must meet the following requirements:

➢ The AWS Solutions Architect Associate exam is 80 minutes and features multiple-choice questions

➢ AWS Certification exams are administered at Kryterion testing centers in more than 750 locations worldwide; register to secure your exam appointment

➢ AWS Certification Cost: The registration fee for the AWS Solution Architect Associate Exam is $150

TOOLS COVERED

Amazon EC2

Amazon Elastic Block Store

AWS Identity and Access Management

AWS Snowball Edge

Amazon CloudFront

SWF

Amazon Redshift

Elastic Load Balancing

Amazon DynamoDB

Lambda function

Amazon Simple Notification Service

Amazon Simple Queue Service

Elastic Load Balancing

Amazon Redshift

TOOLS COVERED

Auto Scaling	Amazon Elastic Transcoder	Amazon S3 Glacier
Amazon Route 53	Amazon RDS	Amazon Aurora instance
Amazon ElastiCache	Amazon VPC	Amazon VPC
AWS Cloud Formation	Amazon CloudWatch	AWS CloudTrail
AWS Database Migration Service	AWS Trusted Advisor	

About AR Learners

➤ AR Learners is a leading training provider, helping professionals across industries and sectors develop new expertise and bridge their skill gap for recognition and growth in the global corporate world. Developed with the intention of delivering high value training through innovative and practical approaches, AR Learners offers a wide range of services in training, learning and development in the fields of technology and management.

➤ The founders of the company are zealous young entrepreneurs, who were motivated by the need to fill a niche in the IT Training industry for professionals and they are aided in their goal by industry experts who conduct the workshops; igniting minds and motivating professionals to face on-the-job challenges

➤ AR Learners is an professional certification training provider catering its services globally across countries including USA , UK, CANADA, Australia, ,India, Middle East, Netherlands, Germany, France etc.

➤ With over 150 consultants and trainers, we have one of the largest pool of in-house experts in the industry. The training content, course material, and training methodology are developed by in-house subject matter experts and accredited by global certifying authorities to ensure the quality training experience.

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10685-B, Hazlehurst, #24048

Houston, TX 77043, USA

USA : **+1 (713) 287 1250**

IND : **+91 789 911 5086**

info@arlearners.com

corporate@arlearners.com