Complete AWS Solutions Architect Exam Prep: Mastering Cloud Certification

29 March – 9 April 2027
Addis Ababa

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Ref: 36187_224905 **Date:** 29 March – 9 April 2027 **Location:** Addis Ababa **Fees:** 6400 Euro

Complete AWS Solutions Architect Exam Prep: Mastering Cloud Certification Overview:

This comprehensive course, "Complete AWS Solutions Architect Exam Prep: Mastering Cloud Certification," is designed to guide professionals through the intricacies of AWS cloud computing basics, AWS Cloud Structure, and AWS Edge Locations. As the demand for skilled cloud architects soars, this course stands as a beacon of knowledge, offering insights into AWS Storage Solutions, Amazon S3, AWS EBS, and AWS EFS. Participants will delve into the essentials of Cloud Resource Management, AWS Direct Connect, and navigate the complexities of Virtual Private Network AWS. The course not only focuses on technical skills like AWS EC2, AWS Autoscaling, and AWS Instance Types but also emphasizes AWS IP Addressing and the broader perspective of Database on AWS. Furthermore, it addresses AWS RDS, AWS NoSQL Solutions, and AWS Data Warehousing, essential for mastering the AWS Virtual Private Cloud VPC. This course is a gateway to mastering AWS Routing and Subnetting, AWS NAT Gateway, and understanding AWS Security Groups and AWS Network ACL. It's uniquely positioned to enhance skills in AWS Performance Optimization, AWS Route 53, and AWS Load Balancers.

Target Audience:

- IT Professionals
- Cloud Architects
- System Administrators
- Network Engineers
- Database Administrators
- Developers This course is ideal for professionals looking to deepen their understanding of AWS cloud infrastructure, aiming to achieve AWS certification. It's tailored to address skill gaps in Cloud Resource Management, AWS Direct Connect, and AWS Storage Solutions, providing a pathway for career advancement.

Targeted Organizational Departments:

- IT and Systems
- Network Administration
- Database Management
- Development Teams These departments will benefit from enhanced skills in AWS EC2, AWS Data Migration, and AWS Security Best Practices, aligning with the organization's cloud adoption and optimization strategies.

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Targeted Industries:

- Technology
- Finance
- Healthcare
- E-commerce Industries facing digital transformation challenges will find this course valuable. Emphasizing AWS Compliance Standards, AWS Application Services, and Cloud Computing Certification, it addresses industry-specific cloud needs.

Course Offerings:

Participants will learn about:

- Mastery of AWS Cloud Structure and AWS Edge Locations
- Hands-on experience with AWS Storage Solutions and AWS Data Migration
- Skills in AWS Virtual Private Cloud VPC and AWS Security Groups
- Knowledge in AWS Performance Optimization and AWS CloudWatch Monitoring
- Expertise in AWS DevOps Tools and AWS High Availability Design

Training Methodology:

The course employs a blend of interactive learning, case studies, and practical labs. Participants will engage in AWS Hands-On Labs, exploring AWS CloudFormation and AWS Database Optimization. Sessions on AWS Security Best Practices and AWS Networking Fundamentals are designed to offer real-world scenarios. The use of AWS Cloud Services Deep Dive and AWS Architectural Design Principles ensures a holistic learning experience.

Course Toolbox:

- AWS Architect Associate Study Guide
- AWS Cloud Technologies Training Materials
- AWS Exam Preparation Online Resources
- Interactive AWS Learning Session Tools
- AWS Real-World Project Templates

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Course Agenda:

Day 1: Introduction to AWS and Cloud Computing

- Topic 1: Understanding the Fundamentals of Cloud Computing
- Topic 2: The Evolution of Enterprise Network and Data Center in the Cloud Era
- Topic 3: Exploring Different Types of Cloud Environments
- Topic 4: A Deep Dive into AWS Cloud Structure and Organization
- Topic 5: Exploring AWS Local Zones and Edge Locations
- Reflection & Review: Assessing the Basics of AWS Cloud Computing

Day 2: Establishing Cloud Connectivity

- Topic 1: Setting up and Managing AWS Direct Connect
- Topic 2: Navigating the Process of AWS Authorization and Partnerships
- Topic 3: Understanding Public and Private Virtual Interfaces VIF
- Topic 4: Utilizing Direct Connect Gateway and Link Aggregation Groups LAG
- Topic 5: High-Availability Connections and VPNs in AWS
- Reflection & Review: Review of AWS Cloud Connectivity Methods

Day 3: AWS Storage Solutions and Strategies

- Topic 1: An Overview of AWS Primary Storage Options
- Topic 2: In-Depth Exploration of Amazon Simple Storage Service S3
- Topic 3: Implementing AWS Elastic Block Storage EBS
- Topic 4: Utilizing AWS Elastic File System EFS
- Topic 5: Strategies for Migrating Data to AWS
- Reflection & Review: Revisiting AWS Storage Solutions

Day 4: Advanced AWS Storage and Database Solutions

- Topic 1: Understanding RAID Configurations in AWS
- Topic 2: Introduction to AWS Storage Gateway
- Topic 3: Collaborative Storage Options Including Amazon FSx
- Topic 4: Storage for Collaboration: AWS FSx for Windows and Lustre
- Topic 5: Best Practices for AWS Data Migration
- Reflection & Review: Consolidating Knowledge on AWS Storage and Database Solutions

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Day 5: AWS Compute Services and EC2 Management

- Topic 1: Exploring Amazon Machine Images AMI
- Topic 2: Implementing and Managing AWS Autoscaling
- Topic 3: Diverse AWS Instance Purchasing Options
- Topic 4: Security and Access Management in EC2
- Topic 5: Managing IP Addresses for EC2 Instances
- Reflection & Review: Summarizing AWS EC2 and Compute Services

Day 6: Database Management in AWS

- Topic 1: Introduction to Databases in AWS
- Topic 2: Differentiating Between Relational and NoSQL Databases
- Topic 3: Data Warehousing Solutions in AWS
- Topic 4: Exploring Data Lakes and Database Storage Options
- Topic 5: Database Backup and Scaling Strategies
- Reflection & Review: Reviewing Database Management Concepts in AWS

Day 7: Networking and Security in AWS

- Topic 1: Understanding the OSI Model in Cloud Computing
- Topic 2: IP Addressing, Subnetting, and Supernetting in AWS
- Topic 3: Managing Internet Gateways and NAT in AWS
- Topic 4: Advanced VPC Networking with Endpoints and Peering
- Topic 5: Network Security with NACLs and Security Groups
- Reflection & Review: Reflecting on AWS Networking and Security Features

Day 8: Performance Optimization and Advanced Networking

- Topic 1: Optimizing AWS Network Performance with Placement Groups
- Topic 2: Advanced Networking with Elastic Fabric Adapter and SR-IOV
- Topic 3: Effective DNS Management with Amazon Route 53
- Topic 4: Load Balancing Techniques in AWS
- Topic 5: AWS Network Performance Best Practices
- Reflection & Review: Evaluating AWS Network Performance Strategies

Day 9: AWS Applications, Services, and DevOps

- Topic 1: Utilizing AWS Application Services: SQS, SNS, SWF
- Topic 2: AWS Elastic Map Reduce EMR and Kinesis for Data Processing
- Topic 3: Container Services: AWS ECS and EKS
- Topic 4: Serverless Computing with AWS Lambda
- Topic 5: Implementing AWS DevOps Tools: CodePipeline and CodeCommit
- Reflection & Review: Reflecting on AWS Services and DevOps Practices

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Day 10: Security, Compliance, and Cost Optimization in AWS

- Topic 1: Navigating AWS Security Best Practices
- Topic 2: AWS IAM: Creating and Managing Policies
- Topic 3: Ensuring Compliance with AWS Standards
- Topic 4: Strategies for AWS Cost Optimization
- Topic 5: Building High-Availability Architectures in AWS
- Reflection & Review: Summarizing Security, Compliance, and Cost Management in AWS

How This Course is Different from Other AWS Solutions CSA Exam Prep Courses:

"Complete AWS Solutions Architect Exam Prep: Mastering Cloud Certification" stands out with its focus on AWS Cloud Structure, AWS Edge Locations, and Cloud Resource Management. Unlike other courses, it provides a comprehensive AWS Technical Essentials Course, combined with AWS Deployment Strategies Training. The unique blend of AWS Cloud Architect Webinar and interactive AWS Learning Sessions makes this course an unparalleled choice for professionals.