# AWS Developer Associate Certification Training
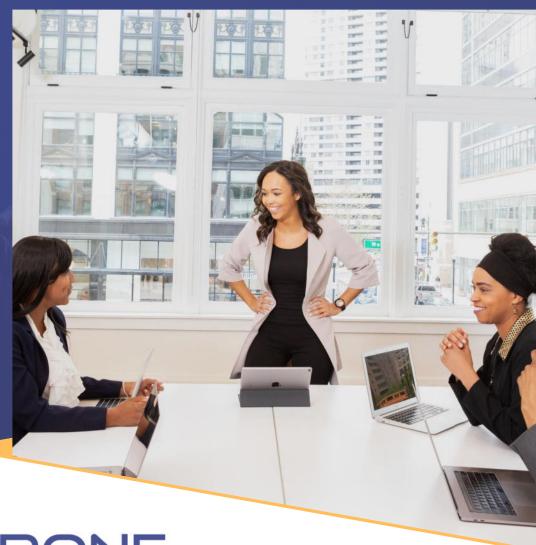
UNICHRONE

# Unichrone Training Advantages



- ✔ 4 Day Interactive Instructor –led Online Classroom or Group Training

- ✔ Course study materials designed by subject matter experts

- ✔ Mock Tests to prepare in a best way

- ✔ Highly qualified, expert & accredited trainers with vast experience

- ✔ Course Completion Certificate

- ✔ Get 25 hours CPE certificate

- ✔ Enrich with Industry best practices and case studies

- ✔ AWS Developer Associate Course adhered with International standards

- ✔ Convenient Weekday/Weekend AWS Developer Associate Training Course schedule

UNICHRONE

# Importance of AWS Developer Associate Certification Training

✓ This immersive four-day workshop on AWS Developer Associate offers in-depth knowledge on designing, developing, and deploying cloud-based solutions using AWS. Hands-on lab exercises will give you practical expertise in building reliable and scalable AWS applications written for Amazon Simple Storage Service, Amazon DynamoDB, Amazon Simple Queue Service, Amazon Simple Notification Service, Amazon Simple Workflow Service, AWS Elastic Beanstalk, and AWS Cloud Formation. You will learn how to interact with AWS using code, and get a thorough understanding of key concepts, best practices, and troubleshooting.

# UNICHRONE

# About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.

**Guaranteed Quality**

**Handpicked Trainers**

**Global Presence**

**Online Training Option**

## We've trained professionals across global companies

PHILIPS

AXCESS
FINACIAL PRODUCT MANAGEMENT

CLARIANT

AkerSolutions

WÜRTH

baycoat

DUPONT

DASHTI

GlobalSign

TriskeleLabs

مصرف الراجحي
Al Rajhi Bank

DHL

ARASCO
أراسكو

UNICHRONE

# WHO SHOULD ATTEND

✓ Software Developers, Devops Engineers, Linux/Unix Implementation Engineers or Administrators, Cloud Architects and Developers

# ELIGIBILITY CRTIERTIA

✓ There are no pre-requisites to take up AWS Training and Exam.

UNICHRONE

# AWS Developer Associate Certification Training
## Advantages

CERTIFIES
YOUR TALENT

HELPS
BUILDING
VALUES

GLOBAL
RECOGNITION

PERFECT
EXECUTION

BUILDS
CUSTOMER
LOYALTY

MORE
EMPLOYABILITY
OPTIONS

UNICHRONE

# **Syllabus of AWS Developer Associate Certification Training**

| **Lesson 01 –** AWS Cloud Essentials: An overview | |
|---|---|
| 1. | Basic overview of the cloud |
| 2. | Different types of cloud models |
| 3. | Different types of cloud services |
| 4. | Different vendors of cloud implementation |
| 5. | Why choose AWS? |
| 6. | Features of AWS and key offerings |
| 7. | Who is using AWS/customers? |
| 8. | Real-time Use-cases |
| 9. | Opportunities in Cloud/Market |

| **Lesson 02 –** AWS Fundamentals | |
|---|---|
| 1. | AWS service catalogue, AWS Paradigm |
| 2. | AWS console |
| 3. | Overview of below services along with usage, Compute Service |
| 4. | Storage Service, Database Service |
| 5. | Content Delivery Service |
| 6. | Network Service, Application Service |
| 7. | Deploy & Management Service |

UNICHRONE

# Syllabus of AWS Developer Associate Certification Training

| **Lesson 03-** AWS Control and Usage |
|---|
| 1. | AWS console |
| 2. | Compute Service |
| 3. | Storage Service |
| 4. | Database Service |
| 5. | Content Delivery Service |
| 6. | Network Service |
| 7. | Application Service |
| 8. | Deploy & Management Service |

| **Lesson 04-** AWS Software development Kit and command line tool kit |
|---|
| 1. | AWS Java SDK Kit |
| 2. | Step-by-step Java SDK installation |
| 3. | Configuration |
| 4. | Develop a sample Java program and access AWS resources |
| 5. | AWS CLI tool kit |
| 6. | Step-by-step Java SDK installation |
| 7. | Configuration |
| 8. | Develop a sample Java program and access AWS resources |

UNICHRONE

# Syllabus of AWS Developer Associate Certification Training

| **Lesson 05-** Monitoring and Metrics | |
|---|---|
| 1. | Demonstrate ability to monitor availability and performance |
| 2. | Creating Cloud Watch Alarms |
| 3. | Installing And Configuring Monitoring Scripts for Amazon EC2 Instances |
| 4. | Elastic Compute Cloud (EC2) Instance and System Status Checks |
| 5. | Monitoring EBS For Performance And Availability |
| 6. | Monitoring RDS For Performance And Availability |
| 7. | Monitoring the Elastic Load Balancer For Performance And Availability |
| 8. | Demonstrate ability to monitor and manage billing and cost optimization processes |
| 9. | AWS Billing And Linking AWS Accounts |
| 10. | AWS Billing Dimensions and Metrics For Cloud Watch |

| **Lesson 06-** High Availability | |
|---|---|
| 1. | Implement scalability and elasticity based on scenario |
| 2. | Scalability And Elasticity Essentials |
| 3. | Determining Reserved Instance Purchases Based On Business Needs |
| 4. | Elastic Load Balancer |
| 5. | Autoscaling |
| 6. | What is autoscaling and where to use it? How to configure autoscaling and autoscaling groups? |
| 7. | Demo on scale-up and scale-down scenarios, Ensure the level of fault tolerance based on business needs |
| 8. | High availability by using Elastic IP Addresses, understanding RDS Multi-AZ Failover |

# Syllabus of AWS Developer Associate Certification Training

| **Lesson 07-** Analysis and Data Management | |
|---|---|
| 1. | Different storage services |
| 2. | How to create and attach EBS volumes, EBS Root Devices on Terminated Instances - Ensuring Data Durability |
| 3. | What is Ephemeral storage? What is the usage? How to create and attach an S3 bucket? |
| 4. | Demonstrate ability to create backups for different services (EC2 & RD, how to create a customized AMI) |
| 5. | Monitoring EBS For Performance And Availability |
| 6. | How to take a snapshot and reuse the AMI |
| 7. | How to take a backup of the RDS instance |
| 8. | How to enable to auto snapshots for the RDS instance |
| 9. | Managing Backup And Disaster Recovery Processes |
| 10. | Quickly Recovering From Disasters |
| 11. | Read Replicas With MySQL RDS Across Regions |
| 12. | Storing Log Files And Backups from glacier service |

| **Lesson 08-** Security and Networking | |
|---|---|
| 1. | Implement and manage security policies |
| 2. | S3 Bucket Policies, Building IAM Policies |
| 3. | Network Access Control Lists (NACLs) |
| 4. | Using IAM Roles With EC2 |
| 5. | Ensure data integrity and access controls when using the AWS platform |
| 6. | What is MFA On Amazon Web Services (Multifactor Authentication)? |
| 7. | What is Security Token Service? |
| 8. | Demonstrate ability to prepare for security assessment use of AWS |
| 9. | Different AWS-provided certificates & standards followed at AWS data centers |
| 10. | How to handle IT Audits, Demonstrate ability to implement networking features of AWS |
| 11. | Route53 and DNS Failover |
| 12. | VPC Essentials, Building A Non-Default VPC, VPC Networking, VPC Security, DB Subnet Groups, Elastic IP Addresses, And Elastic Network Interfaces |
| 13. | Configuring A Web Application In VPC |
| 14. | Building A Virtual Private Cloud From Scratch – VPC |
| 15. | Troubleshooting Connectivity In Issues, Demonstrate ability to implement connectivity features of AWS |
| 16. | What is the AWS Direct Connect & On-premise To VPC Redundancy |

# Syllabus of AWS Developer Associate Certification Training

| **Lesson 09-** Deployment and Provisioning | |
| --- | --- |
| 1. | Demonstrate the ability to provision cloud resources and manage implementation automation |
| 2. | Creating Our First Stack |
| 3. | Creating an Amazon Virtual Private Cloud with Cloud Formation And Launching An EC2 Instance |

| **Lesson 10-** Big Data and Analytics | |
| --- | --- |
| 1. | What is the usage of EMR and big data concepts? |
| 2. | How to launch and configure the EMR service? |
| 3. | Run a sample MapReduce program to view the job details to analyze the Big data |

UNICHRONE

UNICHRONE

# Syllabus of AWS Developer Associate Certification Training

| **Lesson 11 –** Cloud best practices |
|---|
| 1. | Cloud Security Best Practices at each layer, Compute Service |
| 2. | Storage Service |
| 3. | Database Service |
| 4. | Content Delivery Service |
| 5. | Network Service |
| 6. | Application Service |
| 7. | Deploy & Management Service |

| **Lesson 12-** Cost Optimization |
|---|
| 1. | Cost Optimization at each layer |
| 2. | Compute Service |
| 3. | Storage Service |
| 4. | Database Service |
| 5. | Content Delivery Service |
| 6. | Network Service |
| 7. | Application Service |
| 8. | Deploy & Management Service |

## Examination Format

| Exam Name | AWS Developer Associate |
|---|---|
| Exam Format | Multiple Choice or Multiple responses |
| Total Questions & Duration | 65 Questions, 130 minutes |
| Passing Score | 70% |
| Exam Price | 150 USD (Practice exam: 20 USD) |

To get you fully prepared with the knowledge and skills for the AWS Developer Associate Certification examination, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by AWS Developer faculty, the practice tests are a true

# Contact Us

support@unichrone.com

https://unichrone.com/