

AWS Certification Training



Unichrone



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

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Al Rajhi Bank



Aker Solutions

DU PONT

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GlobalSign

Triskele Labs

ARASCO



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DHL

DASHTI

Unichrone Training Advantages

- 4-day interactive instructor-led training program
- Expert Trainer with International Expertise
- Copy of course content provided
- Global recognitions and approvals
- Interactive sessions with case studies
- Practice Tests with detailed answers and explanations
- Industry Specific Real Life Examples

AWS Certification Advantages



Importance of AWS Certification

Certification is a matter of demonstrating your skills and establishing your credibility. Achieving credentials could open doors to get heavily involved in AWS-related projects, or present to clients as a credible subject-matter expert. Of course, if you're job-hunting, just having 'AWS Certified' on your CV won't get you hired, but it could help you get you past various gatekeepers and into an interview room. Businesses don't always have an easy way of testing the competencies of a job applicant. Also, they may be sifting through tonnes of CVs, so having the certification certainly gets you the wanted attention.

ELIGIBILITY CRITERIA

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

WHO SHOULD ATTEND

IT Heads, System Admin, Server Admin, security Engineers, Architects,



Syllabus of AWS Training

- **Introduction**

AWS provides on-demand delivery of IT resources via the Internet on a secure cloud service platform, offering compute power, storage, databases content delivery and other functionality to help businesses scale and grow.

1. Introduction to Cloud
2. What is Cloud Computing?
3. Development Models
4. Service Models
5. Benefits of Cloud Computing
6. AWS Global Infrastructure
7. Hands-on Lab and Demo Session

- **Identity & Access Managements**

AWS IAM is a web service that helps you securely control access to AWS resources for your users. Here you will learn

1. IAM Features
2. Accessing IAM
3. Multi-Factor Authentication (MFA)
4. IAM Groups
5. IAM Roles

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- 6. IAM Users
- 7. IAM Policies
- 8. Hands-on Lab and Demo Session

- **Virtual Private Cloud**

Amazon VPC is a custom -defined virtual network within the AWS Cloud. You can provision your own logically isolated section of AWS, similar to designing and implementing a separate independent network that would operate in an on-premises data center.

- 1. Introduction to VPC
- 2. Components of VPC
- 3. Subnets
- 4. Route Table
- 5. Internet Gateway
- 6. Elastic IP Addresses
- 7. Elastic Network Interface (ENIs)
- 8. Endpoints
- 9. Peering
- 10. Security Groups
- 11. Network Access Control List (ACLs)
- 12. NAT Instance and NAT Gateways

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13. VPG, CGWs and VPNs

14. Hands-on Lab and Demo Sessions

- **Elastic Cloud Compute (EC2)**

Amazon EC2 is AWS primary web service that provides resizable compute capacity in the cloud.

1. Introduction to EC2

2. Instance Type

3. Amazon Machine Images (AMIs)

4. Address of Instance

5. Termination Protection

6. Instance Options

7. Elastic Block Storage

8. Type of Amazon EBS Volumes

9. Snapshot

10. Best Practices

11. Hands-on Lab Session

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- **Elastic Cloud Compute (EC2)**

AWS Cloud Formation is a service that helps you model and set up your Amazon Web Services resources so that you can spend less time managing those resources and more time focusing on your applications that run in AWS.

1. Introduction to CloudFormation
2. Components of CloudFormation
3. Use cases and need for CloudFormation
4. Hands-on Lab & Demo Sessions

- **S3, Glacier & Snowball**

Amazon Simple Storage Service is storage for the Internet; you can use Amazon S3 to store and retrieve any amount of data at any time, from anywhere on the web.

- Introduction to S3
2. Buckets
 3. Objects
 4. Keys
 5. Data Consistency
 6. Durability and Availability
 7. Access Control

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8. Storage Classes
9. Object Lifecycle Management
10. Encryption
11. Versioning
12. MFA Delete
13. Replication
14. Logging
15. Event Notification
16. Amazon Glacier
17. Amazon Snowball
18. Hands-on Lab and Demo Session

- **Auto Scaling**

distinct advantage of deploying applications to the cloud is the ability to launch and then release servers in response to variable workloads.

1. Introduction
2. Scaling Groups
3. Launch Configuration
4. Benefits of Auto Scaling
5. Auto Scaling Lifecycle
6. Hands-on Lab & Demo Sessions

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- **Elastic Load Balancer**

Elastic Load Balancing is a highly available service that distributes traffic across Amazon Elastic Compute Cloud (EC2) instances and includes options that provide flexibility and control of incoming requests to Amazon EC2 Instances.

1. Introduction to ELB
2. Type of Load Balancer
3. Listeners
4. Configuration of Load Balancer
5. Hands-on Labs & Demo Sessions

- **CloudFront, CloudWatch & CloudTrail**

Amazon CloudFront is a content delivery network offered by Amazon Web Services. Content delivery networks provide a globally-distributed network of proxy servers which cache content, such as web videos or other bulky media, more locally to consumers, thus improving access speed for downloading the content.

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account.

Amazon CloudWatch monitors your Amazon Web Services (AWS) resources and the applications you run on AWS in real time. You can use CloudWatch to collect and track metrics, which are variables you can measure for your resources and applications.

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1. Introduction to Cloud Service
2. CloudFront and Configuration Parameters
3. CloudTrail Introduction
4. Need of CloudTrail
5. Introduction to CloudWatch
6. Logs Agent
7. Configuring AWS CloudWatch
8. Hands-on Lab & Demo Sessions.

- **Application Services - SQS, SNS & SES**

Amazon Web Services offers a broad set of global cloud-based products including compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, security and enterprise applications.

1. Introduction to SQS
2. Message Lifecycle
3. Message Attributes
4. Introduction to SNS
5. SNS - Application and System Alerts
6. SNS - Push Email and Text Messaging
7. SNS - Mobile Push Notification
8. SES
9. Hands-on Lab & Demo Sessions

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- **RDS**

Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the cloud.

1. Introduction to RDS
2. Type of Databases
3. Database Instances
4. Database Engines
5. Storage options
6. Backup and Recovery
7. Snapshot
8. High Availability
9. DynamoDB
10. Amazon RedShift
11. Hands-on Lab and Demo Sessions

- **Route53**

Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.

1. Domain Name system (DNS)
2. Domain Registration
3. Top Level Domain

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4. Route53 components

5. Routing Policies

6. Hosted zones

7. Hands-on Lab and Demo Sessions

Contact Us

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