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AWS Technical Essentials Certification Course

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Program Overview:

This AWS Technical Essentials course will help you learn how to navigate the AWS (Amazon Web Services) management console; understand AWS security measures, storage, and database options; and gain expertise in web services like RDS and EBS. This course, prepared in line with the latest AWS syllabus, will help you become proficient in identifying and efficiently using the AWS platform.

Program Features:

- Trusted content
- Re-learn for free anytime in a year
- Rigorous assignments and assessments
- Learn at your own pace
- Mandatory feedback sessions
- Mock-interview
- Hands-on real-time experience

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- ➢ Free Mentorship
- ➢ Live chat for instant solutions
- ➢ Job-ready employees post-training
- ➢ End-to-end training
- ➢ Download the certificate after the course

Delivery Mode:

- ➢ Online Training

Prerequisites:

- ➢ Basic knowledge of any programming language is beneficial, but this course can be taken by
- ➢ anyone who has an interest in learning AWS.

Target Audience:

This AWS technical essentials course is ideal for individuals tasked with articulating the technical benefits of AWS services, including SysOps administrators, IT developers, and individuals who want to learn about AWS.

Key Learning Outcomes:

- ➢ Upon completing Hatigen's AWS Technical Essentials course, participants will:
- ➢ Become familiar with AWS platform concepts and terminology
- ➢ Understand AWS infrastructure and console management
- ➢ Create a Simple Storage Service (S3) bucket and use Elastic Compute Cloud (EC2)
- ➢ Learn about AWS networking and storage concepts
- ➢ Gain knowledge of AWS cloud architecture and security measures

Certification Details and Criteria:

- ➢ Complete at least 85 percent of the elearning content
- ➢ Complete one simulation test with a minimum score of 60 percent
- ➢ Complete one assessment project

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Course Curriculum:

Lesson 01: Introduction to Cloud Computing

- ➢ 01 Course Introduction
- ➢ 02 Course Agenda
- ➢ 03 Need for Cloud Computing
- ➢ 04 what is cloud computing? - A
- ➢ 05 What is Cloud Computing? - B
- ➢ 06 What is Cloud Made up of?
- ➢ 07 benefits of cloud computing
- ➢ 08 Key concepts and Terminology
- ➢ 09 Economies of scale
- ➢ 10 capex vs opex
- ➢ 11 What is a Public cloud
- ➢ 12 characteristics of Public Cloud
- ➢ 13 What is Private CLoud?
- ➢ 14 Characteristics of Private CLoud
- ➢ 15 What is Hybrid cloud?
- ➢ 16 Characteristics of Hybrid CLoud
- ➢ 17 review and what next
- ➢ 18 What is IAAS?
- ➢ 19 Use cases of IAAS
- ➢ 20 what is paas?
- ➢ 21 Use Cases of PAAS
- ➢ 22 What is saas?
- ➢ 23 What is Shared Responsibility Model?

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Lesson 02: First Steps into Amazon Web Services

- ➢ 1 Foot Prints of Amazon Web Services - Datacenters
- ➢ 2 AWS Console Tour
- ➢ 3 Free access to AWS
- ➢ 4 Creating a Free AWS Account

Lesson 03: Identity and Access Management(IAM)

- ➢ 1 Identity Access Management (IAM) - Part A
- ➢ 2 Identity Access Management (IAM) - Part B
- ➢ 3 Identity Access Management (IAM) - Part C
- ➢ 4 Identity Access Management (IAM) - Part D
- ➢ 5 Identity Access Management (IAM) - Part E

Lesson 04: Networking in AWS Virtual Private Clouds

- ➢ 1 Networking Fundamentals - Part A
- ➢ 2 Networking Fundamentals - Part B
- ➢ 3 Conceptial Overview of VPC
- ➢ 4 AWS VPC - Walkthrough
- ➢ 5 NACLS and Security Groups

Lesson 05: Elastic Compute Cloud (EC2)

- ➢ 1 What is Compute
- ➢ 2 AWS Compute Services
- ➢ 3 EC2 Instance - Lab Activity
- ➢ 4 EC2- Connecting to Windows Machine
- ➢ 5 Ec2 Instance - Linux Instance

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Lesson 06: AWS Storage

- ➢ 1 Storage Fundamentals
- ➢ 2 AWS S3 - Simple Storage Services
- ➢ 3 AWS S3 - Simple Storage Services - B
- ➢ 4 AWS S3 Storage Classes and Data Lifecycle
- ➢ 5 AWS Storage Gateway

Lesson 07: Load Balancing and Autoscaling

- ➢ 1 AutoScaling
- ➢ 2 Elastic Load Balancer Lab
- ➢ 3 Load balancing and Autoscaling Introduction

Lesson 08: DNS and Content Delivery

- ➢ 1 Route 53
- ➢ 2 Cloud Front

NetworksLesson 09: Monitoring, Auditing and

Alerts

- ➢ 1 Cloud Watch
- ➢ 2 Cloud Trail
- ➢ 3 Simple Notification Services
- ➢ 4 AWS Config
- ➢ 5 AWS Config LAB
- ➢ 6 AWS CloudTrail vs. CloudWatch vs. Config

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Lesson 10: Databases

- ➤ 1 SQL - RDS
- ➤ 2 NO SQL Dynamo DB
- ➤ 3 ElastiCache and Redis

Lesson 11: Serverless Computing

- ➤ 1 AWS Lambda

Lesson 12: Security and

Compliance

- ➤ 1 Shared Responsibilty Model
- ➤ 2 Security and Compliance Services
- ➤ 3 AWS KMS

Lesson 13: AWS Pricing, Billing, and Support Services

- ➤ 1 AWS organizations
- ➤ 2 AWS Organizations - Lab Demonstration
- ➤ 3 AWS Pricing
- ➤ 4 AWS Billing and Cost Tools
- ➤ 4 AWS Support Plans and Trusted Advisor
- ➤ 5 AWS Whitepapers

Lesson 14: Conclusion

- ➤ 1 Course Conclusion

Practice Project

- ➤ AWS Tech Essentials Project – Media